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JUNE 2, 1923.

Vol. XCVIII.



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## James Woolley, Sons & Co., Ltd. MANCHESTER.

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REQUISITES, &c.

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## COUNTER PACKAGES.



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attention of the Retailer, ¼-lb., ½-lb.  
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*Specialities :*

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(Physiologically Pure Benzyl Benzoate)

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## SPECIAL LINES for the SEASON

### HAIR BRUSHES.

No.									
583.	Ladies', ebonised wood back	..	..	11 rows bristle	..	per doz.	22	0	
598.	"	..	..	11 "	..	"	30	0	
561.	" real ebony back..	..	..	11 "	..	"	54	0	
587.	Gents' (Military shape) ebonised wood back	9	"	"	..	"	27	0	
593.	" " real ebony	..	11 "	"	..	"	36	0	

### TOOTH BRUSHES.

No.		Per doz.	No.		Per doz.
747.	Bone handle, 3 rows bristle	4 6	730.	Celluloid handle, 3 rows bristle	5 6
700.	" 4 "	6 0	707.	" 4 "	7 6
701.	" 4 "	7 0	734.	" (London Make) 4 "	8 0

### DRESSING COMBS.

No.		Per doz.	No.		Per doz.
320.	Black galalith $7\frac{1}{2}$ by $1\frac{1}{2}$ in.	6 0	195.	Black vulcanite 8 by $1\frac{3}{4}$ in.	12 6
285.	White " $7\frac{1}{2}$ by $1\frac{3}{4}$ in.	6 6	106.	White celluloid $8\frac{3}{4}$ by $1\frac{1}{4}$ in.	14 0
340.	" celluloid 8 by $1\frac{3}{4}$ in.	9 0	288.	" galalith, stout $7\frac{1}{2}$ by $1\frac{3}{4}$ in.	16 6

### RAKE COMBS.

No.		Per doz.	No.		Per doz.
282.	White galalith $7\frac{1}{2}$ by $1\frac{3}{4}$ in.	6 6	196.	Black vulcanite 8 by $1\frac{3}{4}$ in.	12 6
224.	" celluloid 8 by $1\frac{3}{4}$ in.	8 0	174.	White celluloid 8 by $1\frac{3}{4}$ in.	14 0

### POWDER PUFFS.

No.									
1749.	Handkerchief Puff, wool centre, georgette, assorted colours	..	..	per doz.	9	0			
	" " fancy voile	"	..	"	12	0			
	" swansdown centre, silk	"	..	"	14	0			
	" " crepe, <b>Special line</b>	..	..	"	18	0			
	" beaver centre, crepe, assorted colours	..	..	"	22	0			
	" " " large size	..	..	"	30	0			
					36	0			
1748.	Bag Puff, "Ellen Terry" pattern, wool centre, silk, assorted colours								
		SIZES	2	3	4	5	6	7	8
		per doz.	6/6	9/6	12/-	14/-	17/-	23/-	32/-
1751.	Flat Wool Puff, with ribbon band, each in transparent envelope								
		SIZES	1½-in.	2-in.	2½-in.	3-in.	3½-in.		
		per doz.	3/-	3/6	4/6	6/-	7/-		

### POWDER PUFF BOWLS.

No.									
1763.	Puff Bowl, glass, engraved, $3\frac{1}{2}$ -in.	..	..	..	..	per doz.	54	0	
	" " " $4\frac{1}{2}$ -in.	..	..	..	..	"	60	0	
	" " optical $5\frac{1}{2}$ -in.	..	..	..	..	"	60	0	
	" " cut $5\frac{1}{2}$ -in.	..	..	..	..	"	72	0	
1771.	Bowl Puffs, to suit above bowls	..	per doz.	4-in.	4½-in.	5-in.	6-in.	7-in.	
				21/-	28/-	34/-	60/-	72/-	

CARRIAGE PAID ON ORDERS OF £3 AND UPWARDS.

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for New Price Lists of Druggists' Sundries, Toilet Requisites, Rubber Goods, Cut Sheet Rubber Appliances, etc.

**BURGE, WARREN & RIDGLEY, Ltd.**

91 and 92 GREAT SAFFRON HILL,  
LONDON, E.C.1.



**PRELIMINARY NOTICE.**

The Subscription List will open on Monday, the 4th day of June, 1923, and close on or before Friday, the 8th day of June, 1923. The special permission of the Committee of the Stock Exchange to deal in the Shares to be offered for Subscription will be applied for after allotment.

**THE DUBARRY PERFUMERY COMPANY, LIMITED,**

Registered Offices: 81 Brompton Road, London, S.W.3

(INCORPORATED UNDER THE COMPANIES ACTS, 1908 to 1917) AS

**Manufacturers of Fine Toilet Soaps, Perfumery and Toilet Luxuries.**

**CAPITAL - - - £150,000**

**DIVIDED INTO**

100,000 $7\frac{1}{2}$ per cent. Cumulative Preference Shares of £1 each	-	-	-	-	-	-	-	-	£100,000
1,000,000 Ordinary Shares of 1/- each	-	-	-	-	-	-	-	-	50,000
									<u>£150,000</u>

The Preference Shares carry a Cumulative Preferential Dividend at the rate of  $7\frac{1}{2}$  per cent. per annum and are preferential as regards repayment of Capital and Unpaid Dividend in a winding-up, but do not carry any further right to participate in profits or assets. It is intended to pay the dividend on the Preference Shares half-yearly, on November 1st and May 1st.

**AN OFFER FOR SALE WILL BE MADE DURING THE WEEK-END OF**

86,200 $7\frac{1}{2}$ per cent. Cumulative Preference Shares of £1 each at par	-	£86,200
86,200 Ordinary Shares of 1/- each at par	-	4,310
		<u>£90,510</u>

**NO PART OF THIS OFFER HAS BEEN UNDERWRITTEN.**

**PAYABLE AS FOLLOWS:**

	$7\frac{1}{2}$ per cent. Cumulative Preference Shares.	Ordinary Shares.
On Application	2/6	1/-
On Allotment	7/6	—
On August 14th, 1923	10/-	—
<u>£1</u>		<u>1/-</u>

Ordinary Shares will only be allotted to applicants for Cumulative Preference Shares, who will have the right to apply for and have allotted to them a number of such Shares equal to the number of Cumulative Preference Shares applied for by and allotted to them. The minimum subscription on which the Directors will proceed to allotment is 50,000 shares of each class.

**DIRECTORS:**

HARRY WILLIAM KILBY PEARS, Pharmaceutical Chemist (Chairman and Managing Director), 4 Hamilton Mansions, King's Gardens, Hove, Sussex.

ARCHIBALD VICKERS (Sales Director), 93 Drayton Gardens, Kensington, S.W.10.

HARRY FRANK SLACK, Pharmaceutical Chemist (General Manager), 10 Wilbury Avenue, Hove, Sussex.

BENJAMIN CHARLES GREENING, Member of the Pharmaceutical Society, 32 Norton Road, Hove.

**BANKERS:** BARCLAYS BANK LIMITED, Head Office: 54 Lombard Street, London, E.C., and all its branches.

**SOLICITORS:** DURRANT COOPER & HAMBLING, 70/71 Gracechurch Street, London, E.C.4.

**BROKERS:** JOHN GIBBS, SON & SMITH, London Stock Exchange, and 6 Austin Friars, London, E.C.2.

**AUDITORS:** E. C. BALDWIN & SON, Chartered Accountants, Union Bank Chambers, North Street, Brighton.

**SECRETARY:** S. H. K. MOON, F.C.I.S., 81 Brompton Road, London, S.W.3.

The Auditors, Messrs. E. C. Baldwin & Son, Chartered Accountants, have given the following certificate of profits.

To the Directors of The Dubarry Perfumery Company, Limited.

Union Bank Chambers, 8 North Street, Brighton.

Dear Sirs,

May 14th, 1923.

We have audited the Accounts of the Perfumery Business of Dubarry et Cie, and those of the other undertaking, The Standard Tablet Co., Ltd., since their foundation, and beg to state that the Profits for the last six years, after providing for all charges, including Directors' Remuneration, Depreciation, Excess Profits Duty, but excluding Income Tax, Corporation Profits Tax and Interest on Loans, have been as follows:

15 Months ended 31st March, 1918	.. ..	£7,051	15	10	12 Months ended 31st December, 1920	.. ..	7,080	12	5
12 Months ended 31st March, 1919	.. ..	7,497	16	5	12 Months ended 31st December, 1921	.. ..	12,766	6	7
9 Months ended 31st December, 1919	.. ..	4,976	0	1	12 Months ended 31st December, 1922	.. ..	15,243	19	5

In 1919 the end of the Financial year was changed from 31st March to 31st December.

We also certify that the sales of the first four months of the current year show an advance of over 30 per cent. over the same period of 1922.

Yours faithfully,

E. C. BALDWIN & SON, Chartered Accountants.

The full Prospectus shows that the total issue of Cumulative Preference Shares is well secured both as regards Capital and Interest.

As the interest on the whole of the Cumulative Preference Shares requires only £7,500 per annum, the above figures show that the balance of profit available for dividend on the ORDINARY SHARES should be very considerable.

Moreover, the Directors are confident that last year's profits will be greatly exceeded, this being indicated by the largely increased turn-over already achieved during the first four months of this year, which they have every reason to believe will be more than maintained; and, further, they foresee many immediate opportunities of profitably utilising the increased Capital provided by this offer. An increasing dividend on the Ordinary Shares may therefore be anticipated.

A copy of the Prospectus and Application Form have been posted to all retail pharmacists to whom Preferential Allotment will be made. Additional Copies may be obtained from any Branch of Barclays Bank Limited, or from the Secretary, 81 Brompton Road, London, S.W.3.



Telegraphic Address: "POMADE, SMITH, LONDON,"

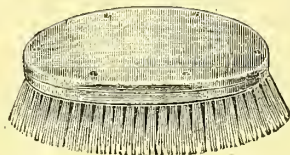
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PERFUMERY, TOILET GOODS, DRUGGISTS' SUNDRIES.**80-82 CLERKENWELL RD., LONDON, E.C.1****HAIR BRUSHES**

Military—Fibre, per doz. pairs, 12/-

Handled, per doz., 8/6

Bristle, Ladies', per doz., 30/-, 33/-, 36/-, 51/-, 54/-, 72/-, 78/-, 90/-, 105/-

**No. 1 Sample Range—one of each, £2 5s. 0d.**

,, Military, per doz. pairs, 29/-, 54/-, 96/-, 192/-, 204/-, 230/-

**No. 2 Sample Range—one pair of each, £3 5s. 0d.**

Horn .. .. per doz., 45/-, 54/-, 56/-, 75/-

Pneumatic Pad .. .. 25/6, 33/6, 36/- &amp; 63/-

Whalebone, per doz., 15/-, 18/9, 22/6, 24/-, 25/-, 25/-, 43/6, 60/- &amp; 66/-

**No. 3 Sample Range—one of each, £2 17s. 6d.**

Or complete set of 41 brushes for £8.

Best Hide Cases for Military Brushes, 3/- each

**NAIL BRUSHES**

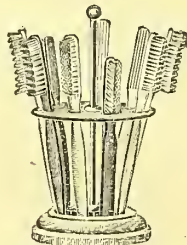
Fibre/Wood .. per doz., 1/3, 2/6, 2/6, 2/9, 3/-, 4/- &amp; 5/3

Bristle/Wood .. .. 6/6, 7/-, 9/-, 9/6, 17/6, 18/-,

28/-, 36/- &amp; 48/-

Bristle/Bone .. .. 6/6, 8/-, 9/6, 12/9, 13/6, 13/9,

14/6, 15/-, 21/-, 22/6 &amp; 29/-

**No. 4 Sample Range—28 Nail Brushes—30/-****TOOTH BRUSHES**

Bone Handle Wax Backs, per doz., 5/-, 5/9, 6/9, 10/-, 10/6 &amp; 12/-

Celluloid Handle .. .. 3/6, 4/6, 5/9, 7/6, 9/6, 9/9, 13/9 &amp; 13/9

Albemarle Prophylactic in Crimson &amp; White Carton .. per doz., 13/6

"Special" .. .. Blue &amp; Red .. .. 10/6

**No. 5 Sample Range—1 dozen of each—16 numbers  
including Oak and Nickel Show Stand, £7.**THE PURITAN PUFF  
REGD.**PURITAN POWDER PUFFS**

Wool Pad in Rubber Case .. .. per doz., 7/6



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Concentrated  
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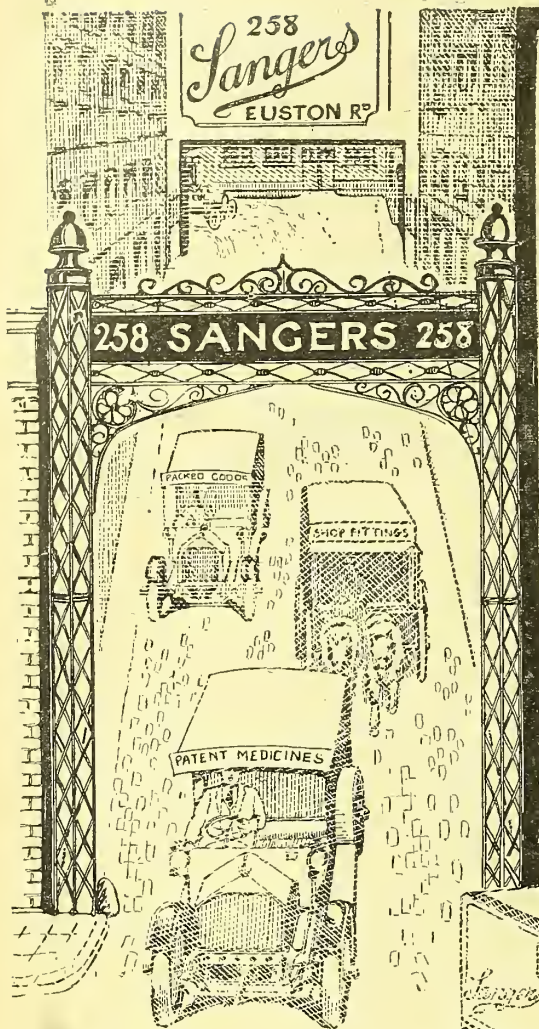
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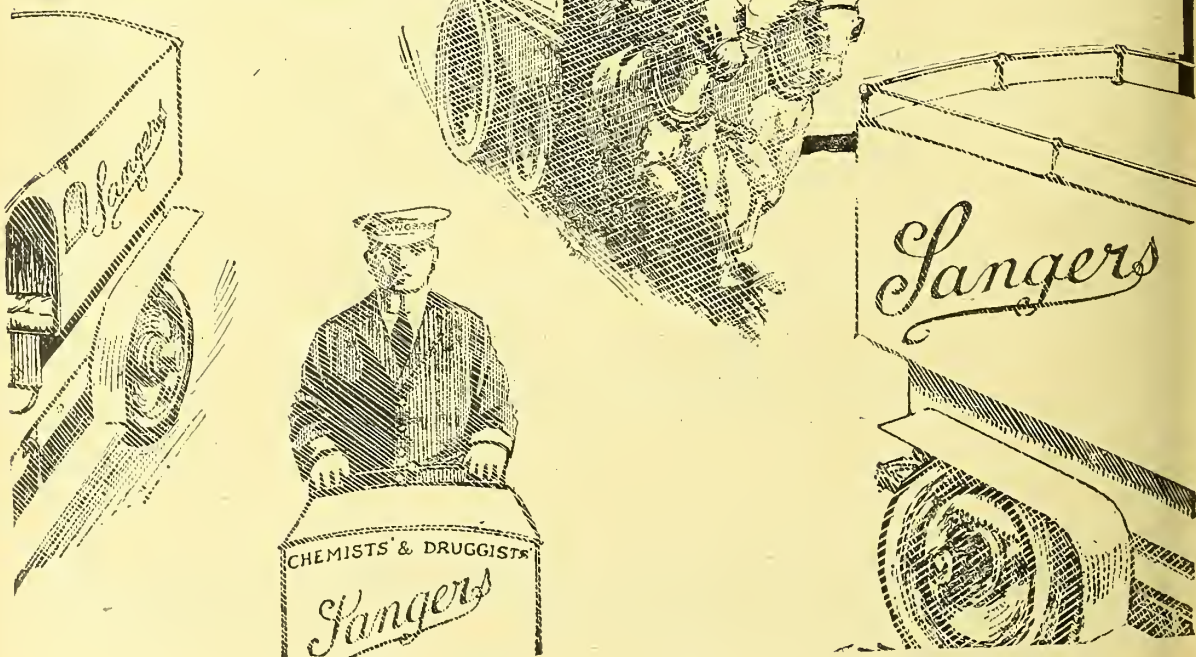
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Maw's



Page

## Two New Maw's Shavers

Two new products from the Shaving Brush factory of the House of Maw. Two patterns which show the handcraftsmanship for which the House of Maw is famous at its best.

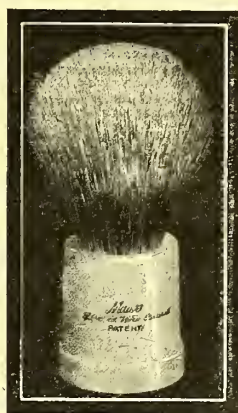
These new shapes will appeal to the more practical minded, manly men among your customers—the sort of men who like a good handful, something “to get hold of” when they shave.



Curved Taper

And the appeal of these brushes is not merely sentimental. They have sound practical advantages. They stand firmly on the base. They are hygienic, having no crevices to hold dirt. They afford a good grip and are not easily dropped.

Each shape is supplied in three fillings, and each filling in three sizes. Add these brushes to your stocks to-day. They mean more business.



Straight Taper

Here are the prices:—

Straight Taper and Curved Taper		Small	Medium	Large
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Vigorous propaganda has brought the exceptional value of these products prominently before the medical profession, which is prescribing them in increasing quantities.

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We particularly commend to your notice "ELCO" Aspirins put up in tins of 25's and 100's. They are handier packages than the bottles and are rapidly increasing in favour with the public.

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"ELCO" ASPIRIN TABS IN TINS.

25's, 3/9 doz.      100's, 9/- doz. net.

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Tooth Brush, originated and made by  
the Florence Manufacturing Com-  
pany, of Florence, Massachusetts,  
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(facsimile shown below) stamped  
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printed in red on the **YELLOW** Box.

Our continuous advertising to over 4,000,000 readers  
of the Press is creating more customers for this  
high-class tooth brush every day. Don't fail to make  
some of those new customers yours. Display the

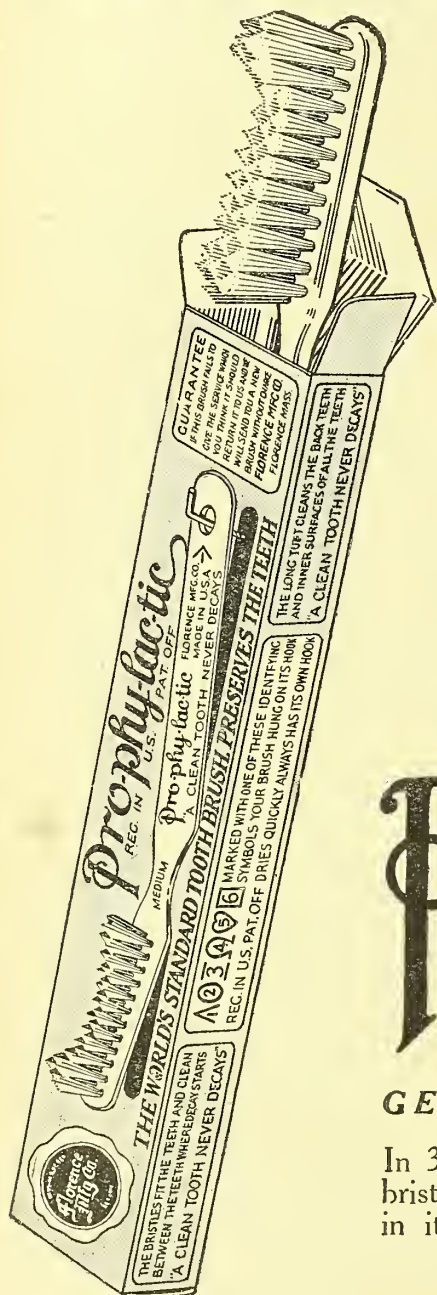
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In 3 sizes—adult's, youth's, and child's; in 3 textures of  
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Aspirin, grs. 5 .. ..	3/9	6/-	9/-	4/3
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Blaud and Cascara .. ..	4/-	5/9	8/6	4/-
Calcium Lactate (Chilblain), grs. 5	3/9	5/-	8/-	3/-
Calomel, gr. 1 .. ..	3/3	4/3	5/9	1/9
Cascara, grs. 2 .. ..	3/-	5/-	7/6	3/3
Easton's Syrup, 1 dr. .. ..	5/9	9/6	16/6	10/6
Formalin and Mint .. ..	—	6/6	—	—
Gregory Powder, grs. 5 .. ..	4/3	6/3	10/6	5/6
Laxative Vegetable .. ..	4/6	6/9	11/9	6/6
Phenacetin, grs. 5 .. ..	5/3	8/9	14/3	9/-
Phenacetin Comp. .. ..	5/9	9/3	15/9	10/-
Quin. Sulph., grs. 2 .. ..	7/3	12/3	21/6	15/-
Sodii Cit., grs. 2 .. ..	3/6	4/9	6/9	2/6
	24's	36's	72's	
Phosphorous and Quinine Tablets	4/-	5/-	8/6	

Our "Mortar," "Anchor," "Purple. Key" and "Star" SERIES give you exclusive right (within a reasonable radius) of the selected design with your own name incorporated.

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In Pastille form. Delicious, Reliable, Effective.

Retails at **2s. 3d.** minimum. Per dozen **21s.**

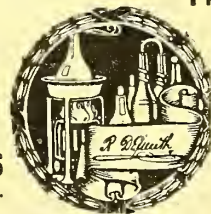
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 Softens the cuticle. Brilliant polish.

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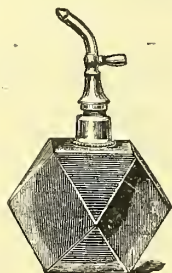
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<b>ALLACITE OF ORANGE</b>		
<b>BLOSSOM</b> ...	22/6	2/6
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<b>BORANIUM</b> ...	22/6	2/6
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<b>CLEMINITE</b> ...	22/6	2/6
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<b>PERGOL</b> ...	22/6	2/6
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<b>TEKKO PASTE</b> ...	22/6	2/6
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<b>STALLAX</b> ...	22/6	2/6
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A depilatory.		
<b>MENNALINE</b> ...	36/-	4/-
For the eyelashes.		
<b>MERCOLIZED WAX</b> ...	31/6	3/6
A face cream.		
<b>STYMOL</b> ...	36/-	4/-
For oily complexions and blackheads.		
<b>SILMERINE</b> ...	22/6	2/6
Hair-curling fluid.		
<b>BARSYDE</b> ...	22/6	2/6
Dandruff eradicant.		
<b>TAMMALITE</b> ...	22/6	2/6
For grey and faded hair.		
<b>LIQUID PERGOL</b> ...	31/6	3/6
To check excessive perspiration locally.		
<b>BICROLIUM</b> ...	22/6	2/6
For whitening the hands.		
<b>HARAPOSA</b> ...	22/6	2/6
Nut oil shampoo.		
<b>COCONOIDS</b> ...	31/6	3/6
For figure development.		

#### The Products of

Messrs. PARKER, BELMONT & CO.

<b>CLYNOL BERRIES</b>	{ 36/-	4/-
For obesity.	58/6	6/6
<b>SOFT PALERIUM</b> ...	45/-	5/-
For wrinkles.		
<b>LIQUID NAIL POLISH</b> ...	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

#### COLONIAL DEPOTS AND AGENCIES.

**Australia:** ALL WHOLESALE, & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.  
**South Africa:** LENNON Ltd, Cape Town, etc.  
**India:** FRAMJEE & SON, Bombay.  
**SMITH, STANISTREET & CO.,** Calcutta.  
**New Zealand:** SHARLAND & CO., Auckland & Wellington.  
**South America:** DEARBORN (South America), Ltd., Calla Salta 264, Buenos Aires.  
**Malay States:** MEDICAL HALL, Ltd., Singapore.



"Specialty"

## Brilliantines and Toilet Paraffins

### BEST QUALITY BIGGER PROFITS

Selling "Specialty" Brilliantines and Toilet Paraffins not only means liberal profits for you, but assures a continuous demand by your customers who appreciate high-quality products that are always reliable.

As one of the largest importers of White Oils, we are in the favourable position of being able to quote you exceptionally keen prices. Guaranteed superior quality goods. You can prove this for yourself by sending for samples and our latest attractive quotations.

"Specialty" Brilliantines and Toilet Paraffins are supplied in a wide variety of high-quality Perfumes to the Retailer's own choice.

### PACKED GOODS

All classes of Medicinal and Toilet Lines, including Liquid Paraffins and Emulsions, Ointments, Cold Creams, Petroleum Jellies, etc., in most attractive packings at extremely fine prices.

Send for latest Price List.

## Specialty Dept. Anglo-American Oil Co. Ltd.

Albert Street,  
Camden Town, London, N.W.1.

Telegrams:  
"Nufinjol, Norwest, London."

Telephones:  
Hampstead 4046-4047.

# Nuctone

for GREY HAIR

## SPECIAL STOCKING BONUS OFFER

**W**E want you to avoid disappointing a single enquirer for NUCTONE when our big National advertising campaign starts in July. Therefore we are offering you this special inducement to **stock NUCTONE now.**

With 1 doz. @ 52/- per doz. 1 bottle free.  
 With 2 doz. @ 52/- per doz. 2 bottles free and 2½% discount.  
 With 3 doz. @ 52/- per doz. 3 bottles free and 5% discount.

This Special Offer only holds good until the end of June. After that date NUCTONE will only be supplied on the usual terms. NUCTONE is a pleasant, harmless preparation for restoring colour to hair turning grey. It is guaranteed not to contain sulphur, lead, or any other injurious ingredient, and therefore can be sold and recommended with complete confidence.

RETAIL PRICE, 6/6 per bottle.

Wholesale Distributing Agents:

**HENRY C. QUELCH & CO., 4-5 Ludgate Sq., London, E.C.4**

*Manufactured by Stewart, Goodall & Dunlop, Ltd., 4 Dering Street, W.1.*

## HOLIDAYS AND WEEK-ENDS

are times when you can considerably increase your sales if you make a display of "LITTO"-Fixo.

Very few men now wear hats on holiday or at tennis, boating, cricket, etc., therefore it becomes necessary for them to use a preparation to keep their hair in control.

Well-groomed hair is a necessity that all men recognise.

The preparation that is fast gaining favour is "LITTO"-Fixo—it has all the advantages of other preparations without their disadvantages.

"LITTO"-Fixo in addition to controlling the hair is an excellent hair tonic and does not grease the hat.

A display now will convince you that this preparation has a ready sale and we would remind you that every "LITTO" preparation shows 100 per cent. profit.

**LITTO**—FIXO  
REGD

*Should be put into stock now.*

Write for Showcards and Trade Terms:

**Litto Laboratories, 2, NEWINGTON GREEN  
LONDON : : : N.1.**

## "Jackel's Cream"

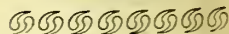
(without Grease)  
for THE HAIR

*Sold Everywhere  
Established 1883.*

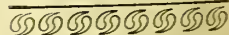


CRYSTALLISED  
7 oz. CREAM 10 oz

Dark attached to ea  
ottle



"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headwear. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.



*Prices for Wholesale and Export  
Houses on application.*

**Jackel et Cie (of Paris)  
Ltd.**

**Sauchiehall Street,  
GLASGOW.**



# **+** Your great opportunity in the campaign to

# **Stop SCURF**

Dr. Page-Barker's Scurf Lotion is making money for Chemists everywhere, because it never fails to remove scurf, and the money-back guarantee you are authorised to make induces even the sceptic to make the necessary trial.

Display Page-Barker in your window, and thus bring into your shop the scores of people who want to rid themselves of the irritation under which they are suffering. Think how easily you can acquire 44% profit. Once a customer is in your establishment his attention is secured, and his interest can be quickly aroused. Use Page-Barker Showbill for windows and doors. We supply these free on request. They are advertising material of unusual attractiveness, that will bring you fresh business and prepare the way for sales. If you do not stock Dr. Page-Barker's Scurf Lotion, order a supply at once, either direct from us or through your usual Wholesaler. The demand is becoming enormous, and you should get your share of this business. Price, 18/- per dozen. Retails at 2/6 per bottle. On orders of 3 dozen we give a bonus of three 2/6 bottles free. Fine Showcards with every order:



# *Dr. Page-Barker's* **Scurf & Dandruff Lotion**

## **GUARANTEE:**

We, The Page-Barker Co., 252b Gray's Inn Road, *guarantee* that in any case in which Dr. Page-Barker's Scurf Lotion fails to remove and entirely eradicate scurf, we will refund the purchase price in full.

*Distributors and Sole Selling Agents:*

**THOS. CHRISTY & CO., 4-12 Old Swan Lane, London, E.C.4.**

"Rabbit"  
Furdown  
Puffs.



## The Super Puffs

English Made—Well Made.  
Do not fluff out or fall to pieces.

SAVE MIDDLE PROFITS,

for we have no Agents and supply direct from our works.

P.I.P. (patent) Small Bag Puffs in leather cases sell at sight. Advertised in the *Daily Mail* and other papers.

OUR STAND IS 119  
CHEMISTS' EXHIBITION.

Write for BONUS DISPLAY OFFER

FURS UNLIMITED, KENLEY, SURREY.

## COMPRESSED FACE POWDER

Manufacturers having trouble with their Compressed Face Powders will be glad to hear that we have installed a complete plant for the manufacture of this article. By our new process we eliminate cracking and all other troubles. Can be obtained in bulk, or packed in boxes complete with puff.

Consult

**MATTHEWS & WILSON, LTD.**

The Pill and Tablet Specialists,

6-8 COLE STREET, BOROUGH, LONDON, S.E.1.

# Hypatia Soap

THREE  
SIZES

P.A.T.A.  
PROTECTED  
PRICES

PRICE PER  
GROSS  
LESS 10%

Bath .. 9d. 80/-

Toilet .. 5d. 44/6

Visitors .. 2½d. 22/3

THE LAST WORD IN PERFUMED SOAP.  
EACH TABLET WRAPPED IN CELLOPHANE.

Write for Samples to

**R. WHEEN & SONS, LTD.**

Toilet Soap Makers.

LONDON, S.E.8.

## PRICE'S OLD ENGLISH LAVENDER SOAP

Selling  
remarkably  
well.



- This exceedingly popular Toilet Soap is put up in the three following sizes:—

**VISITORS** in 12-cake boxes 14/9 per gross.

**ORIGINAL TOILET SIZE**

In 6-cake boxes 41/3 per gross.

In 12-cake boxes 39/9 per gross.

**BATH SIZE** 64/- per gross in 6-cake boxes.

All the above are packed in the neat, familiar wooden boxes.

N.B. We have specially reserved for Chemists an uncoloured Old English Lavender Soap, Toilet size, at the same prices as above indicated.

Terms and samples on application.

**PRICE'S, BATTERSEA**

LONDON, S.W.11.





*"Make beauty  
a duty"*

VISIT STAND NOS. 8—19

AT THE

**CHEMISTS' EXHIBITION**

JUNE 18th to 22nd

CENTRAL HALL, WESTMINSTER

**T**HE Directors of T. F. Bristow & Company Ltd., most cordially invite you to visit their group of stands Nos. 8—19 at the Chemists' Exhibition.

The whole of these stands are devoted to a series of attractive displays of

## BRISTOW'S TOILET PREPARATIONS

These well-known products of a well-known house require neither introduction nor recommendation; for purity and excellence they are unequalled.

A special feature is being made of Christmas Perfumery, including many attractive novelties.

*These comparatively new lines which have already firmly established themselves in public favour, are being exhibited in the form of a series of window displays which are well worthy of attention.*

**BRISTOW'S GEORGIAN SOAP** and other toilet preparations are being well advertised and the demand is steadily increasing.

# BRISTOW'S GEORGIAN SOAP



AND OTHER TOILET PREPARATIONS

**T. F. BRISTOW & CO., Ltd.** (Established 1777), ST. JAMES' WALK, CLERKENWELL, LONDON, E.C.

# LISTEN IN— “BEAVERPUF SPEAKING”

“Tune up” your stock to meet the “wave” of orders for the “Beaverpuf” Series floating round the universe.

No “amplifier” is necessary to “pick up” these orders and no “loud speaker” is required to convince prospective customers of the superiority of the “Beaverpuf” Series over any other Powder Puff.

A “Beaverpuf” in your window acts like a “crystal detector” and conveys a current of steady profit into your cash “receiver.”

Your stock should be your “accumulator” and should be occasionally “recharged” with our up-to-date models.

“Condense” your unsaleable puffs to the lowest degree and “lead in” a line that sells without any “resistance.”

The “Beaverpufs” are positive “transformers,” and if you “transmit” them to your window you can safely “stand by” and watch your takings increase.

SOLE CONCESSIONNAIRES FOR GREAT BRITAIN AND IRELAND,

**“BEAVERPUF,” Ltd., Priest Bridge, London, S.W. 14**

Phone: PUTNEY 166.

## “The Best Packed Line of Shampoos on the Market”

is the way NUXCOL SHAMPOOS (LIQUID AND POWDER) were mentioned in a recent press notice, and without a doubt the description was correct. We have specialised in Shampoo Preparations for years and both for quality and finish they are unsurpassed. A window display of both Powders and Liquid is most attractive and profitable. In yellow and black design and finished in cellophane silk paper with showcards to match, the display will bring many new customers to your store.

### NUXCOL COCOANUT OIL SHAMPOO

2 oz. size  
7/- sells at 1/1.

4 oz. size  
11/- sells at 1/9.

### NUXCOL COCOANUT OIL SHAMPOO POWDERS

(packed 7 in box)

14/- dozen boxes. loose 20/- gross.

NUXCOL SHAMPOO DE LUXE packed in dainty gelatine cartridges, 12 in box.  
The Powders, beautifully perfumed with Rose Lavender, represent the last word in Shampoos .. .. 16/- doz. boxes.

A full-size selling sample of any of the above will be cheerfully mailed on receipt of a postcard.

WRITE FOR OUR ILLUSTRATED CATALOGUE.

Telephone:  
Hop 2415

# ROBERT BLACKIE

Shen Works, Tower Bridge Road, London, S.E. 1

Telegrams:  
“Ushenspuna,”  
London.





# It's the Star that sells your Nail Brushes

That brand on the back of the brush means that the brush is RIGHT. It indicates the finest of material transformed into the finest of nail brushes by patent machinery.

The public know STAR Brushes, they have been educated by intensive advertising to the high quality of household brushes of this brand, and now no other brush can compete.

You have only to mention the name "STAR" and the brush sells itself, therefore it is well to keep a good stock of the full range.

*We are making a splendid offer to introduce STAR Nail Brushes to those who are not yet carrying them—a sample case containing 78 brushes of the best selling lines for £1 carriage paid.*

*This offer shows our confidence, yours will be shown by ordering.*

**DO IT NOW!**

STAR

**STAR BRUSH CO., LTD.**  
EDEN GROVE, HOLLOWAY, N.





## Sorbo Sponges go on Selling

**Y**OU can't "get left" with a stock of Sorbo Sponges — they sell steadily year in and year out. Every single person who washes needs a Sorbo — the inexpensive rubber sponge that is improved by soap.

The demand is so great that we have had to reorganize our factories, and this has enabled us to make really big reductions in the price of Sorbo Sponges.

**Remember that every Sorbo Sponge you sell means a clear 33 $\frac{1}{3}$ % profit to you.**

Everybody has read or heard about Sorbo Sponges. Put the showcard in your window, and they will come in and buy them — from you.

**Get in a stock of assorted sizes now.**

# Sorbo Sponge

THE MOST ABSORBENT RUBBER SPONGE

Retail Prices : No. 1, 1/- ; No. 2, 1/9 ; No. 3, 2/6  
No. 4, 3/9. Bath Sizes : No. 4R 5/- ; No. 5, 7/6

**SORBO RUBBER-SPONGE PRODUCTS, LTD.**

Sorbo Works, Woking, Surrey.

London Office - - - 24 Walbrook, E.C.4.

## The "FORT" Brand PROPHYLACTIC TOOTH BRUSH

Each Brush in a Carton, sealed at Factory, ensures Brush reaching customer in a clean and wholesome condition.

— In Three Sizes. —

### WHOLESALE —

Full Size, 16/- doz.

Ladies' Size, 15 6 „

Children's „ 11 6 „

### RETAIL PRICE,

**2/6**

each.

HARD,  
MEDIUM  
and SOFT.

Also  
VERY HARD  
UNBLEACHED.



**W. R. TILBURY & SON**

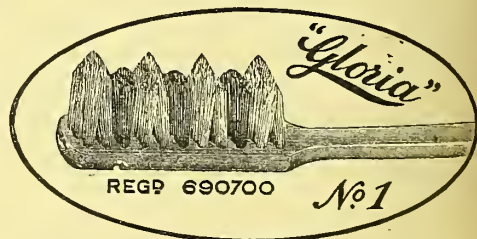
Est. 1880

47 FRAMPTON PARK ROAD,  
HACKNEY, LONDON, ENGLAND

Phone - - 1794 Dalston

## BIDWELLS

NEW DESIGN.



### ADVANTAGES :

Used up and down on the teeth it cleans in between them, and if pressed down hard the bristle will not crush.

Short knots in extra hard white, yellow or black bristle, long knots always white. Ventilating holes in back and hole in handle for hanging up. Sterilised and sealed in transparent Carton.

PRICE 17/- dozen ; 19/- Hard.  
MINIMUM RETAIL 2/3 each ; 2/6 each.

**Castle Mills, Axminster, Devon.**

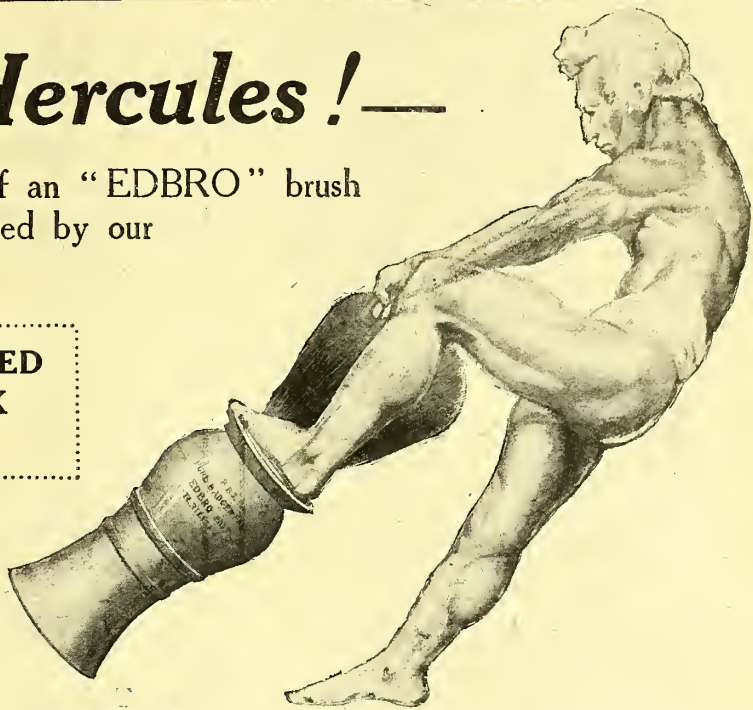


# Even Hercules!—

Because the hairs of an "EDBRO" brush are *permanently* fixed by our patent process.

**GUARANTEED  
ANTHRAX  
FREE.**

Awarded  
Certificate of  
the INSTITUTE OF HYGIENE.



Made in  
London by  
Established—1855.

**EDWARDS BROS.,**  
63 St. Paul's Road, LONDON, N.1.

Shaving Brush  
Specialists

'Phone: DALSTON 1311

## The Evan Williams

ALWAYS IN GREAT DEMAND.  
PRICE LIST ON APPLICATION.

The EVAN-WILLIAMS Co., Ltd., 18 Ogle Street, W.1.

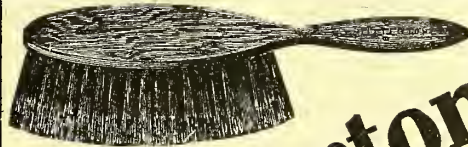
## ORIGINAL SHAMPOO.

"ROSE EMOL" SOAP. This is more than a high-class Toilet Soap. The ingredients used in its composition make it a really effective

**SKIN and COMPLEXION Soap.**

THE PUBLIC DEMAND IT. Good Selling Line. Well advertised. 8d. per Tablet. Trade Prices: 6/3 per doz., 3 doz. lots; 6/- per doz., 6 doz. lots. Carriage paid on £3 orders.

PEREMOL, LTD., Great Glen, Nr. LEICESTER.



**Titterton's**  
Celebrated  
**HAIR  
BRUSHES**

Tooth, Nail & Shaving Brushes

TITTERTON & HOWARD, Ltd., 8-10 Ct. Titchfield St., W.1.

Factory: Albion Works, Dalston Lane, E.8.

## HOOPER & COMPANY

Chemists' Sundries and Rubber Goods

7 PALL MALL EAST, LONDON, S.W. 1.

CELLULOID and BONE

## TOOTHBRUSHES

SAMPLES AND PRICES ON APPLICATION.

**STANDARD  
BRUSH CO.**

42/43 Gutter Lane  
LONDON - E.C.

"BEST  
for  
MOTHER  
and  
BABY"



**"DORSELLA"**  
MILK FOOD

Equals Grade "A" Milk

in decorated Air Tight Tins.

16 oz. net. 10 oz. net. 5 oz. net.

2 oz. Samples free.

SPECIAL QUOTATION TO CHEMISTS FOR BULK.

Manufactured by

**PRIDEAUX'S FOOD ETC. COMPANY, LIMITED,**

Pioneers of the Dried Milk Industry. Eight Creameries in Dorset, Somerset and Wilts.

London Office: 16 Southwark Street, S.E.1.

Send for Trade Terms and full particulars to:

**PRIDEAUX'S FOOD etc. Co. Ltd.**  
MOTCOMBE, DORSET.

THE WORLD'S BEST

**HONEY**

(New Zealand)

"IMPERIAL BEE"

The FINEST QUALITY THAT BEES PRODUCE

**BUILD your HONEY TRADE on a sure FOUNDATION**  
QUALITY means REPEAT ORDERS.

Cases	48×1's ..	Screw-top Glass ..	12/9	per doz.
"	48× $\frac{1}{2}$ 's ..	" ..	7/6	"
"	48×1's ..	Monopots .....	10/6	"
"	48× $\frac{1}{2}$ 's ..	" .....	6/-	"
"	30×1's ..	Glass Tumblers ..	12/9	"
"	18×1 $\frac{1}{2}$ 's ..	Glass Toby Jugs ..	17/9	"

CARRIAGE PAID TO ALL PARTS OF U.K.

Special quotations to the Wholesale Trade and large buyers.

Quotations for Bulk (cases of 2/60 lb. tins) of all grades on application.

New Zealand Honey Producers' Association, Ltd.

Sole European Agents:

**A. J. MILLS & CO., Ltd.**

Produce and Canned Goods Department

14, TOOLY STREET, LONDON, S.E.1.

And at

Birmingham, Bristol, Cardiff, Glasgow, Leeds, Leicester,  
Liverpool, Manchester, Newcastle-on-Tyne

# PURE ORANGE WINE

## A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

### REAL SILVER LEAF

As supplied for many years to the leading Houses for Pills, Cachous, &c.

We also supply

**GOLD LEAF AND GOLD POWDERS**

WHOLESALE ONLY.

**E. WINTER & CO., LTD.**

Head Office: 64 Cheapside, London, E.C.2. Telephone: Central 985.

### BOOKS FOR PHARMACISTS.

Send us a postal card and we will send you a 32 page catalogue of professional and business books for pharmacists, and a copy of

"THE SPATULA"

an illustrated monthly magazine for druggists, full of American snap and enterprise.

THE SPATULA, BOSTON 14, MASS, U.S.A.

**You Cannot Buy Better!**

**MALT EXTRACT**  
**MALT & COD LIVER OIL**

Ask for  
Samples  
and  
Prices.

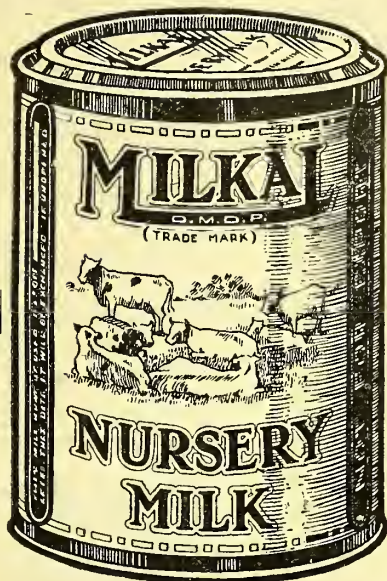
Also in attractive Containers, with client's own name and address.

**JEFFREYS, MILLER & CO., Ltd.**

Leyland Mills,  
**WIGAN.**



## The Solution of the Clean Milk Problem



1-lb. Size

**3/6** $\frac{1}{2}$ -lb. Size**1/9½**

**MILKAL**  
THE CLEAN MILK

## NURSERY MILK

*Straight from Devon in a tin*

**MILKAL**  
(Full Cream)  
**NURSERY MILK**  
(Average Analysis)

MOISTURE ..... 1.50%  
FAT ..... 26.00%  
PROTEIN ..... 27.17%  
LACTOSE ..... 39.27%  
ASH ..... 6.06%  
PRESERVATIVE ... NIL

AFTER many years of research work a Full-Cream nursery milk in powder form has been perfected. Extensive advertising is now making known to the public that MILKAL (Full-Cream) NURSERY MILK—when mixed with hot or cold water—provides a clean, wholesome milk that is always clean; indistinguishable from cows milk in taste. MILKAL NURSERY MILK is just milk without the water—the consumer buys milk from you in the most convenient form—dried milk in a tin. A detailed chart on Infant feeding is printed on each tin.

The necessity for clean milk is universally acknowledged. J. Lyons & Co., Ltd., after the most searching investigations, believe they are now introducing the solution to one of the most urgent domestic problems of the day.

The immense sales possibilities of MILKAL (Full-Cream) NURSERY MILK from Druggists and Chemists will be apparent to all in the profession. Write for wholesale prices.

Distributed and recommended by:—

**J. LYONS & Co., Ltd.**  
**Cadby Hall, LONDON, W.**

(Produced and packed by Dried Milk Dairy Products Ltd., Devonshire and London.)

# LOSALL'S SALT



Sells freely and readily

**PROFIT 50%  
ON OUTLAY**

An infallible remedy for

**GOUT,  
RHEUMATISM,  
ECZEMA  
and SKIN  
AFFECTIONS.**

**P.A.T.A.**

4 oz. tins 1/-, 8/- doz. net.  
8 oz. " 1/9, 14/- " "  
Bottles 2/6, 20/- " "

Attractive advertising matter  
supplied on application.

**SOLD EVERYWHERE.**

Manufactured by

**LOFTHOUSE & SALTER LTD  
HULL**

# "NATURAL" HEALTH SALT.

***The Original Health Salt of the World.***

Summer-time sales are always high when you have "Natural" for your customers. It is in great demand as a health-giving saline—for it is recognised and acknowledged to be the only Natural Way to Health.



*The Save-the-Discs Scheme is proving immensely popular. You can enter the Trade Section now—there are 303 prizes to be won.*

If you are not stocking "Natural," send now for particulars and terms to—

**Wilkinson & Simpson Ltd.**  
*Manufacturing Chemists,*  
**NEWCASTLE-UPON-TYNE.**

# 3

**NEW  
PROFITABLE  
LINES**

# CAMWAL

**Pearlspring Health Salts  
Rubine (The Smokers') Tooth Paste  
Aquaperia Salts (P.A.T.A.)**

**HANDSOME PROFITS ASSURED. WINDOW DISPLAYS.**

*Home and Export Prices and Terms on Application.*

**"CAMWAL"**

Ltd., LONDON, MANCHESTER, BIRMINGHAM, BRISTOL, HARROGATE.  
City Office: 52 Queen Victoria Street, LONDON, E.C.4.

# WINGARNIS

**Sells readily ALL the time**

**COLEMAN & CO., Wincarnis Works, NORWICH.**

**IMPORTANT NOTE  
TO CHEMISTS  
WITHOUT LICENCES**

It has been established by law that Registered Chemists may sell "Wincarnis" with Quinine *without* a licence.



**IMPORTANT.****Natural Mineral Waters*****FURTHER REDUCTIONS IN PRICES.***

We beg to draw the attention of the trade to important reductions as from the 1st June in the prices of

**VICHY-CÉLESTINS**

**VICHY PASTILLES and SALT**

**CONTREXÉVILLE-PAVILLON**

**EVIAN-CACHAT**

**ST. GALMIER**

**VITTEL**

**NATURAL CARLSBAD**

**SPRUDEL-SALT**

Chemists should write for a copy  
of our detailed net Price List.

**INGRAM & ROYLE, LTD.**

IMPORTERS, EXPORTERS, AND DEALERS IN ALL  
NATURAL MINERAL WATERS, SALTS and PASTILLES,

**Bangor Wharf, 45 Belvedere Road, London, S.E.1**

**LIVERPOOL: 19 South John Street. BRISTOL: Bath Bridge.**

*Telegraphic Addresses:*

**"Ingram-Royale, Watloo, London."**  
Telephone: Hop 4343 (2 lines).

**"Sprudel, Bristol."**  
Telephone: 1113.

**"Celestins, Liverpool."**  
Telephone: Bank 4528.


**DR. HALE'S**  
**VIN-SANGUIS**  
WINE FOR THE BLOOD

## Fountain of Health

If you have a Wine License we will pay the fee.  
If not, get one, we will pay.

You agree to display "Vin Sanguis" always.  
You give us an agreed initial order.  
You always keep stock further particulars.

*Send for any*



PROPRIETORS OF  
DR. HALE'S VIN-SANGUIS  
**Transcontinental Agencies Ltd**  
14, Southampton St., London, W.C.2

**MADE WITH OLD DOURO PORT**

NOW IS THE TIME TO ORDER

## MASON'S EXTRACT OF HERBS

**Newball & Mason**  
**NOTTINGHAM**



*"Good! It's Mason's!"*

## *"Newbery's"*

FRANCIS NEWBERRY & SONS LTD

### THE HOUSE FOR SUNDRIES

**Household Measure, with Lip, British-made, extra strong** per dozen **9/- net**

**Special large bulb Enema, with usual fittings complete in oval card box, per dozen** **21/- net**

**"Jewel" Celluloid Prophylactic Tooth Brush, each in carton** per dozen **12/- net**

**Bathing Caps, varied assortment.**

*Special List of these Caps on request.*

**27-28 CHARTERHOUSE SQUARE  
LONDON, E.C.1.**

**ALSO AT CARDIFF AND LIVERPOOL.**

## MAJAX

The ideal milk sugar for babies. We are having direct orders from all parts of the country. Why not participate in this business?

*For terms write to Proprietors*

**MAWSON & PROCTOR, LTD.**  
**NEWCASTLE-ON-TYNE.**

## Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

**Food for Babies, Prepared Barley, N. F. Cocoa, Biscuits, Wholemeal, &c.**

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

### SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock, if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

**NATURAL FOOD COMPANY, Ltd.,**  
**Cambridge Road, Bethnal Green, LONDON, E.**

*All advertising matter—Booklets, Window Displays, Showcards, etc., free on application.*

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.



## **Lorimer-Marshall, Ltd., for PACKED GOODS**

Granular Effervescent Citrate of Magnesia

Seidlitz Powders (Plain & Lemon Flavoured)

Health Salt                      Salines

Compound Syrup of Hypophosphites

Blood Purifier      Tonic Elixir

Children's Tonic

*AT KEENLY COMPETITIVE PRICES.*

---

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**LORIMER-MARSHALL, LTD., 12 Tower Hill, London, E.C. 3**

Works Telephone : New X 2119.

Telegrams : "Lorimarsco, Bilgate, London."

# **Overheads**

are reduced to the minimum by the firm that is always at work.

Our factory is running from Monday morning 6.30 and does not stop until Saturday 12.30 p.m.

Let us quote you for long run work in labels and wrappers. Our overheads are well divided and we specialise.

*Write  
Dept. C.*

## **The Berkshire Printing Co. Ltd.**

**King's Road, Reading.**

# BOTTLES

*and Glassware  
of Every Description  
for The Trade*

WHOLESALE ONLY

*In all colours*  
MEDICAL FLATS

PANELS

VIALS

POISONS

LYSOLS

LIMES

KALIS

MEXICANS

PERFUMES

FEEDING BOTTLES

E.C. & C.



## LAX & SHAW

LIMITED.

*Albert Glass Works,  
Hunslet, Leeds.*

BELINDA GLASS WORKS, HUNSLET. CLARENCE GLASS WORKS, HUNSLET.  
TELEGRAMS: FEEDERS, LEEDS. TELEPHONES 27047, 23080

# A. Ruch & Co

ESTABLISHED 1880.



G. GRANT FORSYTH.  
R. BRUCE FORSYTH.  
W. FRASER FORSYTH.



## GLASS BOTTLES

of every description.

ENQUIRIES INVITED

28 Martin Lane, Cannon St., London, E.C. 4.

Telegrams: "Sennock, Cannon, London." Phone: Central 4799.

# BOTTLES

MEDICALS, POISONS, PANELS,  
HYGIENIC FEEDERS.

Good quality.

Accurate Measure.

Carriage Paid.

**I. ISAACS & CO.,** Glass Bottle  
Manufacturers,  
106 Midland Road, N.W.1.

OLDEST BOTTLE HOUSE IN THE TRADE.  
ESTABLISHED 100 YEARS.

Phone: Museum 4209.

Telegrams: "Isaglasbot, Kincross, London."

# BOTTLES

of every description for  
Chemists' & Doctors' use.

Dispensing Bottles a Speciality.

Special Revised Price List on application.

**W. SMITH, Senior**

Established 1880.

Works: London & Leeds.

Telephone - Central 13647:

169 & 170 Railway Arches,  
Braintree St., Cambridge Rd,  
Mile End, E.2.



# THE BOTTLE HOUSE

Established 1858.

## JULES LANG & SON

can justly claim to be the trade firm who have steadily supported the chemist and druggist from years long gone by the multitude of the varied bottles and containers of all shapes and sizes, and to-day we hold big stocks of nearly all trade supplies, not only in London, but in numerous Provincial depots. We go with the times, and all we ask of you is, when it is a question of

### GLASSWARE

remember to enquire of us if we can help you. We supply many trade sundries besides Glassware, and invite your enquiries.

BIG STOCKS.    LOW PRICES.    QUICK DELIVERY.

## JULES LANG & SON

CHARLTON WORKS, CHARLTON PLACE, ISLINGTON, LONDON, N.1.

(Opposite Agricultural Hall.)

Telephone :—North 2770-2 (3 lines).

Codes :—A B C, 5th Edition.

Scott's 10th Edition (1906).

Telegrams :—" Assorted, 'Phone, London."

Bentley's Complete Phrase Code.

ALL  
BRITISH  
MADE



BY  
BRITISH  
LABOUR.

MENTION  
**ROBINSONS'**  
MAKE

WHEN ORDERING FROM  
YOUR WHOLESALE HOUSE  
YOUR NEXT SUPPLY OF

**PILL BOXES**

SUPPORT HOME INDUSTRIES.

**ROBINSON & SONS, LTD.**

BOXMAKERS TO THE  
CHEMIST TRADE

**CHESTERFIELD.**

# Two New Lines

of Real Business Getting & Profit  
Making Interest to the Chemist

2 oz., 4 oz.,  $\frac{1}{2}$  lb. and 1 lb.  
**PLAIN PATENT  
LOCKING CARTONS**

suitable for Packing Anything in Crystal Form

Splendid Range of High Class  
Two - Colour Showcards  
"SILENT WINDOW SALESMEN"  
FOR YOU

*Write for Samples and Prices*

**ALF. HARRISON & SONS**

Chemists' Printers

**224 BURLEY ROAD, LEEDS**

AND ALSO AT LONDON

Telep.: Leeds 26674. Teleg.: "Harrison  
Telep.: "Ideas Leeds." Suave London."

**CORKS**  
*for Chemists*

Send us your Enquiries  
and compare our prices.  
*Wholesale & Export Only.*

**C. OLLEY & SONS, LTD.**

Established 1844.

**Camperdown St. and Gt. Alie St., London, E.1**

Tel. No.: Avenue 6630. Tel. Ad.: "Circumference, Ald, London."

**METALLIC CAPSULES**

for all kinds of Bottles and Jars.

**The Tonkin Metallic Capsule Co.**

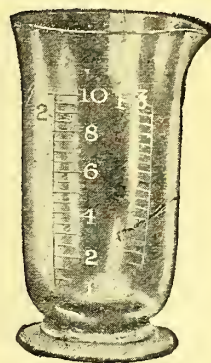
Proprietors: C. Olley & Sons, Ltd.



# PROMPT DELIVERY OF MEASURES of Every kind



CONICAL MEASURES  
CYLINDRICAL MEASURES  
METRIC MEASURES  
PHOTO MEASURES  
TUBE MEASURES  
OIL MEASURES  
TONBRIDGE MEASURES  
SHIPS MEASURES  
JUG MEASURES  
MEDICINE TUMBLERS, &c.



*Manufactured and Stocked by*

**HENRY W. BUSH & Co. Ltd., Commercial St., London, E.1**

ESTABLISHED 1887.



## GLASS BOTTLES

Medical Flats, Panels, Vials, Poisons.

Kalis, Limes and Feeders.

Wholesale and Export.

*Samples and Prices on application.*



**FARROW & CO., 87 Borough High St., LONDON, S.E. 1.**



## GLASS BOTTLES

FULL RANGE OF

Medicals (plain and graduated),  
Flat Dispensing, Panel Flats,  
Poisons, Limes, Kalis, Emulsions,  
Tobins, Vials, Tablets, &c. &c.

MANUFACTURED BY—

**MONEY'S PATENTS, LTD.**

111 Dalston Lane, LONDON, E. 8.

Phone: Dalston 1456.

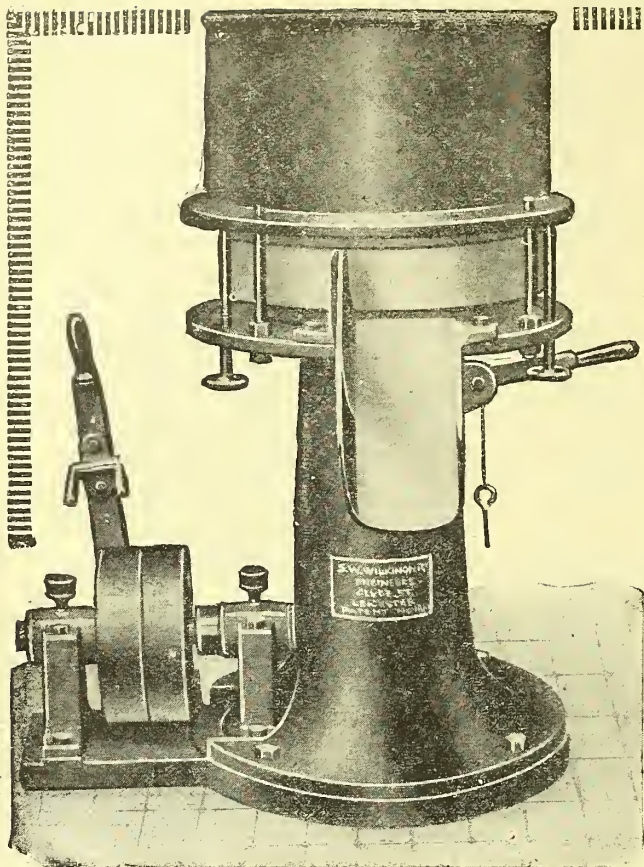
Highest Quality  
in

WHITE FLINT,  
ACTINIC GREEN,  
PALE GREEN,  
AMBER,  
BLUE.



LOWEST  
PRICES.





## THE "SPEEDY" Combined Mixing & Grinding MILL.

Ointment.

Tooth-Paste.

**F**OR PERFECTLY MIXING dry powders with a liquid, or semi-liquid, then grinding the whole into a velvety, smooth, homogeneous paste.

**A**NY degree of fineness or coarseness may be obtained by adjustment while the mill is running.

*Write for lists of this and other Machinery to the Makers*

**S. W. WILKINSON & CO.,**  
Specialists in Chemical Machinery,  
**WESTERN RD., LEICESTER.**

Telephone :  
3783 Cent.

Grams :  
"Wilkinson, Leicester 3783"

*Movol brings customers for more and shows on every sale a net profit of*

**38½%**



*This little figure tells your customers about Movol.*

*Advertisements are appearing regularly in the Daily Mail, Daily Sketch, and News of the World.*

The following are the very advantageous terms, the **PERMANENT** terms, on which Movol can be obtained.

	Cost Price.	Selling Price.	Bonus Tubes.
2 doz. 6d. Tubes	8 - 0	12 - 0	2 6d. Tubes 1 - 0
1 doz. 1/- Tubes	8 - 0	12 - 0	1 1/- Tube 1 - 0
	16 - 0	24 - 0	2 - 0

Net profit 10/6, i.e. 38½% 5% more than the usual profit.

If 1/- size Tubes are not desired we will supply three or four dozen 6d. Tubes with corresponding number of Bonus Tubes.

**MOVOL IS A SPLENDID LINE  
FOR CHEMISTS**

Easy to stock—no trouble in sale—no weighing, no measuring.

We pay carriage and supply suitable Advertising Material.

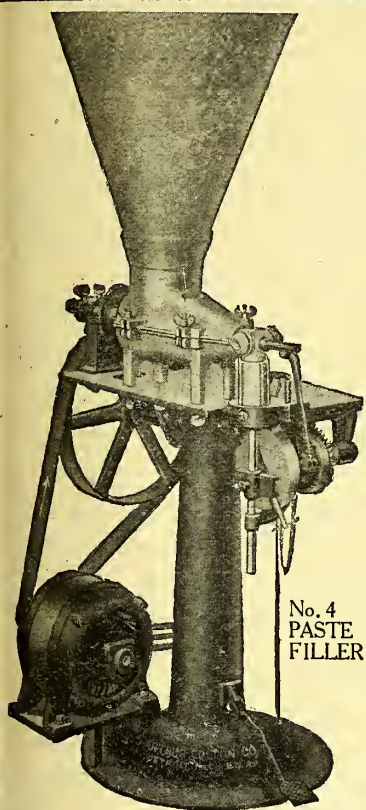
Sole Makers :

**WM. EDGE & SONS, LTD., BULTON**



**STAIN REMOVER**



No. 4  
PASTE  
FILLER

# COLTON

## PASTE MIXERS TUBE FILLERS CLIP FASTENERS NICKELOID CLIPS

The most practical and efficient machines for tooth-pastes, etc., at present on the market, and **THE STANDARD EQUIPMENT OF THE UP-TO-DATE FACTORY.**

A wide range of machines are available for either small or large output. We shall be pleased to submit full specifications and prices on application.

Sole British  
Agents:

**JOHN J. GRIFFIN & SONS, Ltd.**  
KEMBLE ST., KINGSWAY, LONDON, W.C.2

### GARDNER'S PATENT RAPID" SIFTERS & MIXERS

MANY THOUSANDS

working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.

CATALOGUES FREE.

**M. GARDNER & SONS (GLOUCESTER) Ltd.**  
Engineers, GLOUCESTER.

# The Famous JAMES

## Carrier Tricycles

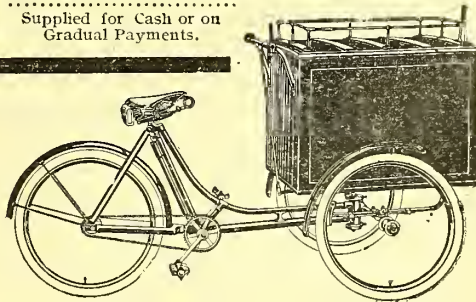
DESIGNED to carry bulky articles. Easy to propel and handle in traffic. Write for full catalogue of Carrier Cycles and Tricycles. Our local agent will call on you and give full information.

### SERVICE

Our agents give full repair service at all times.

Supplied for Cash or on Gradual Payments.

Price £30 Nett Cash.



Write for full Catalogue of all James Models.

**THE JAMES CYCLE CO. Ltd.**

Greet " " " " " Birmingham.  
London Showroom " " " 22 Holborn Viaduct, E.C.1

Deliver  
our

descriptions,  
phones,  
specialties,  
&c.,  
SECURITY.

Send for List  
C.D. 522



**B. STUBBS & SON** (Estab. 1836) Progress Works.  
Hawthorn, NOTTS.



FOR 17 YEARS JOHN BONDS HAVE SAFEGUARDED YOUR PROFITS  
AND WERE ONE OF THE PIONEERS OF PRICE MAINTENANCE

RECOMMEND

# JOHN BOND'S "CRYSTAL PALACE" MARKING INK

A STRAIGHT 6d. & 1/- line that no one is allowed to cut.



6d. size in enlarged square  
Bottle (as illustrated).

Shows distributors a good profit, and is the easiest to sell, and will always bring repeat sales. Every year the public buy more, and it is an article you can recommend with confidence. You can often suggest Marking Ink to customers, for it is one of the things every one requires, and should have by them. They will always take JOHN BOND'S (Heat or Non-heat), which is warranted to fulfil every requirement.

YOUR WHOLESALE HOUSE KEEPS IT!

6d. size, 4/3 doz. (30% profit); 1/- size, 8/- doz. (33 1/3% profit).

A Linen Stretcher and Special Marking Pen given with the 1/- size.

N.B.—WHEN ORDERING, PLEASE SPECIFY IF HEAT OR NON-HEAT IS REQUIRED.

WORKS:

75 SOUTHGATE ROAD,  
LONDON, N.1.

## Wholesale Terms.

Minimum—1 gross 6d., 44/- or  
mixed order to same value; 1 gross  
1/-, 80/-; subject to customary  
discount on quantities. £2 4s. 0d.  
and up carriage paid.

## Developprint

### THE DEALER'S SERVICE

Spools developed, perfectly printed, and posted back same day. Enlargements three days. Send trade card for price list and descriptive pamphlet, mentioning C. & D. Contracts now being arranged for coming season.

GERALD MORRIS

KODAK SPECIALIST  
ROCHESTER



## DEVELOPING :: PRINTING

of real merit by expert workers Best work :: Best speed  
Best materials All work received first post is despatched

### SAME DAY

So confident are we of your satisfaction that your first  
spool will be developed, printed and returned

### FREE!

Daily collection and delivery within 5 miles of EALING, where we  
have really first-class works, with very latest equipment for speed and  
accuracy. We pay postage one way, and allow 33 1/3% discount.

LET US ENLARGE FOR YOU!

THE ROLL FILM COMPANY,  
Shaftesbury Hall, 5a Uxbridge Road, EALING, W.5  
WE ALWAYS GIVE REAL SATISFACTION TO ALL.

Developing! Printing! Enlarging!  
OUR LATEST. Special Line

1/2-pl. Mounted B. & W. Enlargement

1/0 each, post paid.

SEND FOR OUR GENERAL PRICE LIST AND  
DETAILS OF OUR ADVERTISING SCHEME.

D. and P. Work, Postcard and 1/2-plate Card enlargements despatched in 12 hours. All work except plates post paid. Postcard Enlargements, single 4d., six off one neg. or six assorted 1/7 1/2, twelve off one neg. 2/3. Half-plate Card Enlargements, single 5d., three off one neg. 4d. each, six assorted 4d. each

A. J. SHAWYER & CO., Swindon, WILTS

## DEVELOPING and PRINTING SAME DAY SERVICE

Bright, Sparkling Prints that Please.

Zodella Service will help your business.

Write for Trade List and Terms Now.

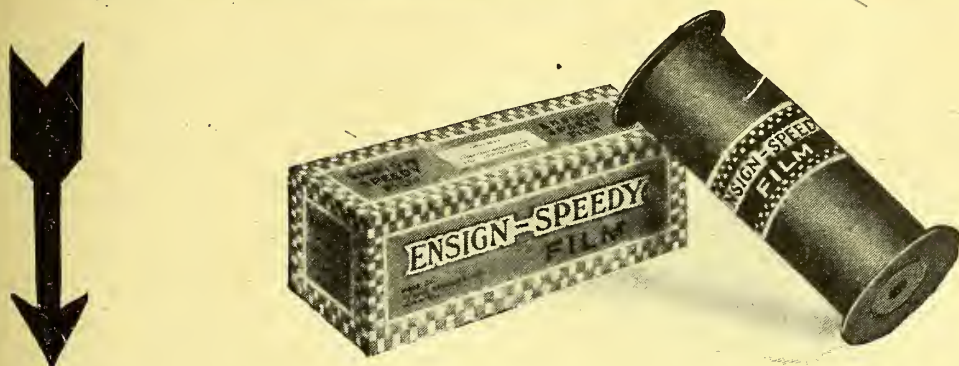
Only a limited number of New Accounts to be opened.

Wallace Heaton Ltd.

17-27 CHANGE ALLEY, SHEFFIELD.



# "More than Satisfied"



Bampton, Oxon.

"I am more than satisfied with your 'Ensign-Speedy' Films;  
 "customers keep coming back for more. When I take films to  
 "my lady assistant for development the first words she will say is:  
 "'Is it an "Ensign-Speedy"?' as she knows how much easier  
 "it is for her to get good results." (Signed) C. A. Robinson.

## "ENSIGN-SPEEDY"

**BEST FOR AMATEURS    BEST FOR DEALERS**

The new registered "Ensign-Speedy" Carton ensures the Dealer securing the D and P work from his own customers.

**IT WILL PAY YOU TO SELL  
 "ENSIGN-SPEEDY" FILMS**

## HOUGHTONS LTD.

Ensign House, 88-89 High Holborn, LONDON, W.C. 1  
 and 70-78 York Street, GLASGOW.

# Collapsible Tubes



Nothing short of  
the Best suffices in

**BETTS' SERVICE,**

**BETTS' QUALITY,**

**BETTS' FINISH,**

**BETTS' PACKING,**

**or BETTS' PRICES.**

**BETTS, IN FACT, SPELLS BEST.**

WRITE TO-DAY TO—

***Betts & Co. Ltd.***  
***1. Wharf Rd., City Rd.***  
***London. N.1.***

**Established 1857.**

5

A  
**PHILIP JOSEPHS  
& SONS LTD.**  
**SHOWCASE**  
**QUICKLY EARNS**  
**ITS COST.**

***Try One!***

**93 OLD ST., LONDON, E.C.1.**

Phone—2191 Clerkenwell.

Wires—"Josiphiah London."

## SHOWCASES

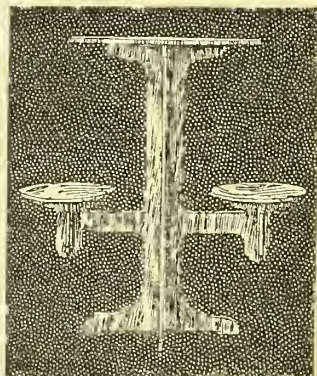
UPRIGHT CENTRE CASES, WALL CASES,  
**GLASS COUNTERS, MIRRORS**  
WINDOW FITTINGS, GLASS SHELVES,  
**SHOW STANDS, DRAWERS, DESKS**  
CHECK TILLS, &c. **Immense Stock.**

**NEW and SECOND-HAND.**

Ready for Immediate Delivery. For Sale or Hire.

**FREDERICK MAUND**

**169 Old St., LONDON, E.C.1.**



### TRIPLE PEDESTAL

12" .. 4/9

15" .. 5/6

Shelves extra.

Set of 3, 2/7

### SAMWAYS' DISPLAY STANDS

(Pat. appd. for.)

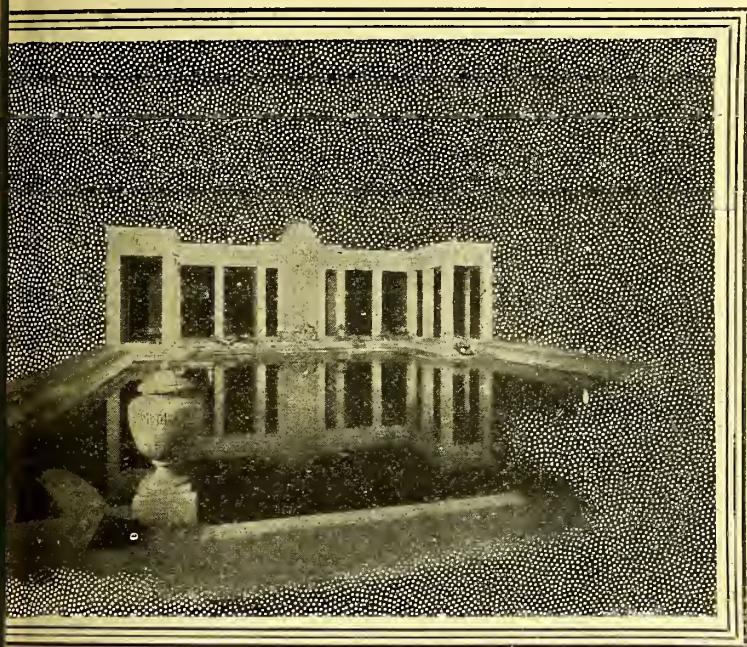
**PACK FLAT** when  
not in use.

Orders this week, any  
amount, **POST FREE.**

Cash with order.

**Samways Mfg. Co. Ltd.**  
256 Broad Street,  
**BIRMINGHAM.**





Brighton War Memorial, reproduced from an untouched photograph at night.

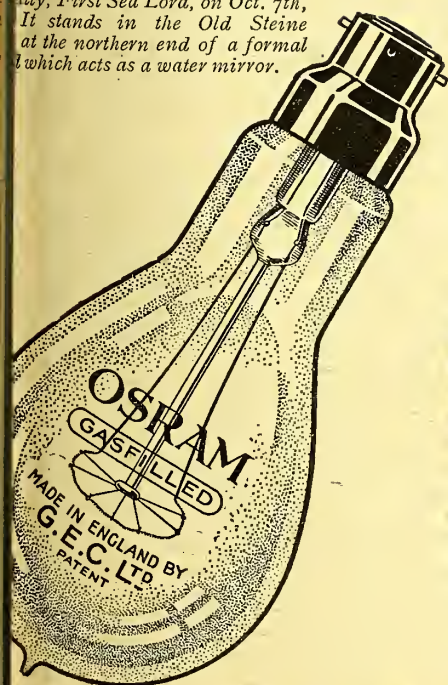
Designed by Mr. John Simpson, R.A., the Memorial was erected at a cost of £4,000, and was opened by the Mayor, First Sea Lord, on Oct. 7th. It stands in the Old Steine, Brighton, which acts as a water mirror.

## Lighting Landmarks

(1)

THE Brighton War Memorial is flood-lighted at night by means of OSRAM Gasfilled Lamps in G.E.C. floodlight fittings, and the effect is said to be "indescribably beautiful."

Years of highly specialized effort in the craft of Electric lamp making have made the name OSRAM famous and for all lighting purposes the OSRAM GASFILLED LAMP stands supreme. Its **unvarying uniformity** explains its wide use.



# Osram

## G.E.C. GASFILLED LAMPS

Sold by all leading Electricians, Ironmongers and Stores.

(Wholesale only) —

The General Electric Co., Ltd., Magnet House, Kingsway, London, W.C.2



## The "ROLO" FLY CATCHER

THE "BEST SELLER" OF THE SUMMER SEASON.

Neat and attractive in appearance, clean to handle and easy to open (the fingers cannot come in contact with the gum), the "ROLO" is at once both useful and ornamental. Evenly spread on both sides with our special non-drying gum, it is also very highly effective, being, in short, **the ideal Cemetery for Flies!**

The Medical Profession have been recommending the "ROLO" Fly Catcher for over twenty years.

The War Office, too, bought large quantities for the use of the troops in Mesopotamia and Salonica.

Made in two sizes - 1d. and 1½d.

**STONEHOUSE BROS.**

High Street, Old Basford,  
NOTTINGHAM.

*An exceptionally good profit, quick sale and no risk of large stocks at the end of the season, as you can buy little and often, and have delivery within 36 hours by passenger train.*

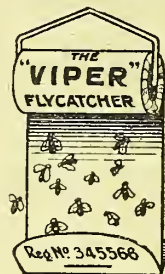
Send to-day for samples and prices, or order through your usual wholesaler.



## Make More Money

and ensure satisfaction to your customers by selling **VIPER** and **FLYSAC** Flycatchers. They pay best and sell best.

THE  
**"VIPER"**  
Reg. Trade Mark



THE  
**"FLYSAC"**  
Reg. Trade Mark



In three widths: 2 in., 3 in. & 4 in. The daintiest Flycatcher on the market.

Write for samples and prices:

Sole Makers **KAY BROTHERS Ltd., STOCKPORT**

## Make the fly season Profitable

During the summer months it will pay you well to push the Wasp Flyband. Neat, hygienic and clean to handle; it has the quickest and biggest sale of any flytrap.

The Wasp holds flies firmly, keeps its condition and satisfies all users. Quick turnover, steady business and liberal protected profit.

## The WASP FLYBAND

remains perfectly adhesive and effective for a long time and the container catches all drips. Prompt Deliveries.

Prices & particulars from the sole manufacturers  
**F. W. HAMPSHIRE & CO., LTD.**  
Riverside Works, Derby.



**WANTED—Chemists to sell**  
**'Ready Rat Relief' & 'Outem'**  
FOR RAT DESTRUCTION  
**"Solventen"** for Cockroach destruction  
Good Profits. Quick Returns.  
**B. L. & N. Phillips, Ltd., 124 Southwark St., London, S.E.1**

**SHERLEY'S**  
**DOG MEDICINES**  
**INSECT POWDER**  
**SHAMPOO, and**  
**LACTOL**  
(P.A.T.A.)

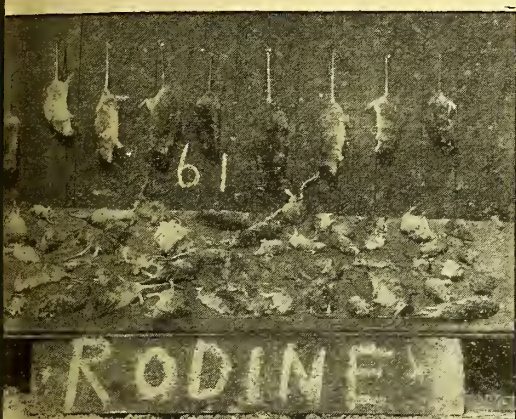


These preparations command a ready sale, and are by far the largest advertised of any on the market. They are protected at prices that leave an excellent margin of profit for the retailer, and the terms on which they are supplied preclude any possibility of loss. We have an excellent range of literature and show cards, and do all in our power to assist chemists by referring mail customers to them.

Write for Price List and Terms.

**A. F. SHERLEY & CO., LTD.**  
18 MARSHALSEA ROAD, LONDON, S.E.1  
Tel. No.: Hop 1897. Telegrams: "Sherleydom, London."





## Another Big "Rodine" Record

**61 RATS**  
**FOUND DEAD WITHIN**  
**10 SQUARE YARDS.**

Mr. D. Bradbury, Chesterfield, writes:—"Here's a photograph I had taken of 61 rats that were killed on a Pig Farm belonging to the Proprietor of a herd of pedigree large white pigs. The rats were swarming all over the place, and we turned out the pigs and laid the 'Rodine' under sacks and straw, and the next day we found the 61 rats lying dead. The size of the place was 10 yards square, and we found them lying about all over the place. You will see some of them are nearly as big as cats. 'Rodine' cleared out the lot."

This is another testimony to be added to the hundreds of those already received demonstrating the ever-increasing faith of the public in "Rodine" as the Rapid Rat Remover. "Rodine" ensures satisfied customers always. If you do not stock "Rodine" you ought to do so at once. It is the profit-paying, price-protected, satisfactory side-line. Ask for the Dummy Rats and make a Window Show with your first order. A Chemist sold 4½ dozen tins in a few days (his first order). Send for carriage paid order £1 4s. Write now to the Maker,

**ARLEY, Manufacturing Chemist, PERTH, SCOTLAND**

## Kills Rats and Mice

These orders should come to you.

V.C.G. writes:—"Enclosed is cheque for two tins 'RATSTICKER.' I have found 'RATSTICKER' most satisfactory but difficult to obtain locally."

E.N.P. writes:—"Kindly send me a tin of 'RATSTICKER' for which I enclose P.O. This preparation does not appear to be stocked in this neighbourhood."

# RATSTICKER

TRADE MARK.

WHY NOT JOIN THE OTHER CHEMISTS WHO ARE MAKING RATSTICKER PAY. SEND A POSTCARD TO-DAY FOR PARTICULARS OF OUR SPECIAL OFFER.

**100 per cent. Profit on Initial Order**

ALL ADVERTISING MATTER FREE

Proprietors and Manufacturers:  
**B. WINSTONE & SONS, LIMITED,**  
100/1 Shoe Lane, London, E.C.4.

## CUFF'S FLY OIL

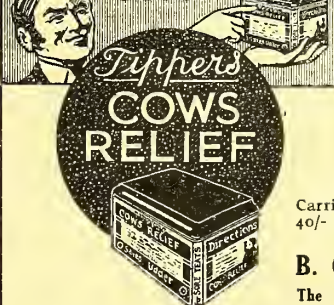
For Maggots in Sheep.

The cure for this troublesome complaint that has stood the test of nearly a hundred years.

Write for lowest carriage paid terms  
and Window Show allowance.

**J. H. CUFF & SONS,** Wholesale Chemists  
(Harcombe Cuff Ltd.) and Druggists,  
453 Caledonian Road - - London, N.7.

Every Wise Farmer  
Uses



**RETAIL PRICES:**  
3/-, 7/-, 15/-, and  
23/- per tin.

Invoiced to the  
Trade at  
2/9, 6/6, 14/6, and  
22/6 respectively,  
and subject to 20%  
discount.

Carriage paid on orders of  
40/- net. Postage charged on  
small lots.

**B. C. TIPPER & SON,**  
The Veterinary Chemical Works,  
**BIRMINGHAM.**



In  
Packets  
@  
5d., 9d. & 1/3  
each.  
(P.A.T.A.)

FOR QUICK CLEARANCE OF RATS AND MICE  
YOU MAY CONFIDENTLY RECOMMEND  
**BATTLE'S VERMIN KILLER**

Prepared only by BATTLE, SON & MALTY, Manufacturing Chemists,  
LINCOLN.

Of all  
Patent  
Medicine Houses  
@  
3/-, 5/6 & 9/  
doz.

**FRED<sup>K</sup>. FINK & CO.,**  
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**SPECIALITIES.**—Gums Arabio and  
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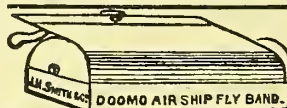
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M.R.P.	M.W.P.
Per tube	Per dozen
1/3	10/2



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By promoting the sales of this most stable peroxide, the pharmacist associates himself with it and creates personal goodwill. There is nothing "Just as good."

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4 oz. botts.	1/6 12/2
8 oz. "	2/6 20/6
16 oz. "	4/6 39/3

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Of distinctive perfume. Attractively presented in elegant flasks. Sunburn and skin roughness provide opportunities for its profitable introduction.

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Per bottle	Per dozen
2/6	20/-

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P. D. & CO.

Imparts a most delightful fragrance. Sales can be increased by display of the package. A well-shaped screw-capped bottle, attractively labelled.

M.R.P.	M.W.P.
Each	Per dozen
4/6	39/-
3/6 (refills)	28/6

### "Old-Fashioned" Cold Cream

PARKE, DAVIS & CO.

An elegant preparation of unsurpassed purity; delicately perfumed. The white opal jar with its aluminium screw-cap appeals to the eye.

M.R.P.	M.W.P.
Per jar	Per dozen
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Containing mercuric iodide. Its lather is more effective as a germicide than a 5% solution of phenol. For dandruff and scurf and as a parasiticide shampoo. Sold only by chemists.

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Per tablet	Per dozen
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A germicidal shaving stick for easy shaving and a healthy skin. The risk of shaving infection is a convincing selling argument. In aluminium cases, attractively cartoned. Sold only by chemists.

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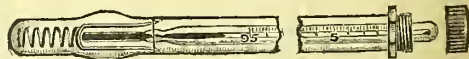
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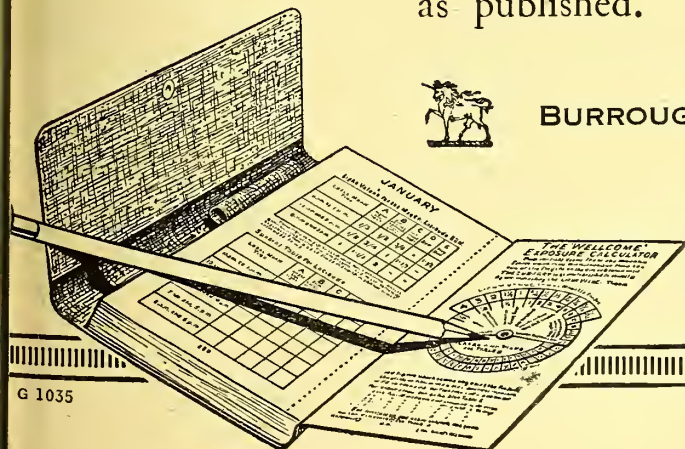
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Chemists*

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### Business Propaganda Pamphlets

WITH a view of advertising collectively the chemists' business, a pamphlet has been prepared for distribution by chemists to their customers. A space is provided in which the chemist's name and address can be given, by label or rubber stamp. The pamphlet of eight pages and cover is of small size (5½ × 3½ in.) adapted for insertion in prescription envelopes and parcels and is sold in packets of 50 at the following prices:—

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THE CHEMIST & DRUGGIST,  
42 Cannon St., London, E.C.4.

## English and Welsh News

The Editor would be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

### Co-operative Society's Protected Articles

A largely attended meeting of delegates of co-operative societies in the Northern section of the Co-operative Union was held at Newcastle-on-Tyne on May 26, to consider the question of the sale of proprietary articles. It was pointed out that, as a result of a resolution passed by the Council of the Proprietary Articles Trade Association in 1906 (*C. & D.*, I., 1906, p. 292), supplies of proprietary articles were refused to co-operative societies who declined to sign the agreements. Considerable discussion followed, and it was finally resolved unanimously:—

That this meeting of representatives of co-operative societies in the Northern section of the Co-operative Union, recognising the menace to co-operative principles and interests constituted by the action of the P.A.T.A., strongly recommends that agreements which have been entered into by societies in the section with the P.A.T.A., be cancelled; that in future no agreements of a similar character be signed, and that every possible step be taken to increase the sale of co-operative productions.

### Poisonings

The following cases of fatal poisoning, among others, have been recorded since our last report:—

At Burnley, on May 23, an inquest was held on the body of James Wilkinson, a contractor. The widow of the deceased told the coroner that her husband had applied to his leg a liniment consisting of opodeldoc and liquid ammonia. A blister appeared: it broke, and the skin round it became black. An ointment given by the doctor and different lotions were also applied. A medical witness stated that death was due to cardiac disease accelerated by erysipelas caused by the use of too strong a liniment. A "misadventure" verdict was given.

An inquest was held in Manchester, on May 28, on the body of Annie Abbey, wife of a police-sergeant and lately patient in a Board of Guardians' hospital. Mabel Annie Thompson, a probationer nurse, stated in evidence that when she went on duty on the previous Friday, the nurse whom she relieved told her that Mrs. Abbey's medicine was ready on a medicine chest. The witness found a cup beside a bottle of medicine, and, concluding that it contained a measured dose, gave it to the patient. It was found, however, that the cup contained carbolic oil. Emily Lewis, another probationer nurse, admitted that she should have removed the cup in question before going off duty. A verdict of "Death by misadventure" was recorded.

### Birmingham

It is proposed to hold a shopping week here shortly, the suggested date being June 11 to 16.

Birmingham University has acquired Bishop's Croft, Somerset Road, Edgbaston, as a residential hall for students.

A number of shopkeepers have recently been summoned for keeping open later than the stipulated hour. The amount of the fines varied, the highest being £10.

The death occurred, on May 24, of Mr. John Wakefield, Ph.C. (see p. 769). At the inquest on May 25 it was stated that deceased, who was in the habit of riding to and from business, was cycling in Islington Row on May 1 when his machine broke. He fell to the ground, receiving injuries to the face and head. According to medical evidence, death was due to toxic polyneuritis. A verdict of "Accidental death" was returned.

### Hull

Two more pharmacies are to be opened in Hull.

Over a million volumes were borrowed from the Central Public Library, Hull, during the last twelve months, scientific books forming the largest portion.

Interviewed by a *C. & D.* representative, Mr. A. R. Tankard, F.I.C., Hull's city analyst, told of the serious position which Hull and other industrial towns are in



with regard to the presence of sulphuric acid in the air. Plants are showing the effects of its disintegrating properties, the stonework of new civic buildings is crumbling appreciably, and the public health is being affected. As a remedy Mr. Tankard proposes the wide adoption of central heating, and scientific coal combustion.

### Leeds

The question of natural dyes for foodstuffs is to be investigated by Professor A. G. Perkin, head of the department of colour chemistry and dyeing, Leeds University, who has received a range of these colours from the Department of Scientific and Industrial Research.

At Leeds County Court, recently, the sum of £21, with costs, was awarded against a local hairdresser in respect of the effects of hair dye supplied. It was stated that the plaintiff made a change in the dye she purchased from the defendant, and was given some described as of his own manufacture and used in his own saloons. She was under medical care from December to February, and suffered intense pain. Dr. Paul, public analyst, Huddersfield, said one bottle of dye he examined was all right, but the second contained a poisonous irritant.

### Liverpool

Attention is being drawn to the large number of small firms which have not registered under the Registration of Business Names Act, and it is pointed out that they are unable to sue for debts, besides being liable to recurring penalties for non-registration and non-divulgence of the names of partners on invoices.

When the Liverpool and Yorkshire Society visited recently the Aintree biscuit works of W. & R. Jacob, Ltd., of Liverpool and Dublin, Mr. R. Crosbie Oates, analytical works chemist, acted as cicerone in the laboratory. Mr. Christopher Hanson, Ph.C., and a correspondent of the *C. & D.* were among a party of seventy-eight.

The Liverpool Guardian Trade Protection Society, in a brochure issued to celebrate its centenary, states that at the Society's foundation in 1823, Mr. Sam Johnson, wholesale druggist, 4 Church Street, Liverpool, was elected treasurer. In 1834 he was presented with a silver cup in recognition of his valuable services, and his firm, with its 100 years' membership, still carries on business not far from his first address. Mr. T. Fell Abraham (Clay & Abraham, Ltd.) is a past-President, trustee and director of the Society.

### Manchester

A contributor to a local paper thinks he has discovered what he is pleased to call "juggling with patent stamps" in pharmacies. The looseness of the statement may be gauged from the following sentence:—"The medicine then has the chemist's own wrapper and directions put upon it, and is sent out as a 'doctor's prescription,' medicine freshly dispensed." No pharmacist will need to read more than this.

At the garden party held at Stormont Castle, on May 23, Mr. William T. Frew, J.P., the Belgian vice-consul, received the honour of an audience from Prince Charles of Belgium, who is serving on board H.M.S. "Barham." Mr. Frew has been the Irish principal of Edward Taylor, Ltd., plaster manufacturers, Salford and London, for close on twenty-five years, and is held in high esteem in the trade.

In Manchester Royal Infirmary, on May 24, Miss Winifred Greysty, Fallowfield, understood to be a chemist's assistant, died in pathetic circumstances. When admitted to the institution on July 2, 1922, it was found that one of the vertebrae was broken as the result of an accident in a swimming bath; and her long fight for life gave rise to hopes that were destined to be unfulfilled. She was eighteen years of age.

### Sheffield

Mr. L. Piper, London Road, has a striking display of corn paint.

Mr. H. B. Hammond has been taking a much-needed rest on the North-East coast.

Insurance dispensing is keeping most chemists busy, new records being made in some districts.

Pharmacists mustered in good numbers to pay homage to the Prince of Wales. Many city shops were closed during part of the day.

### Miscellaneous

**PROPOSED SHOPPING FESTIVAL.**—At a meeting of retail traders held under the auspices of Walsall Chamber of Commerce, on May 23, it was decided to hold a shopping festival in November next.

**VISIT TO WORKS.**—On May 24 members and friends of the North London Pharmaceutical Association, to the number of 130, paid a visit to the works of Parke, Davis & Co., Hounslow. After tea Dr. Stanley White gave a short lantern lecture on "Standardisation of Drugs."—On May 30 about 130 members and friends of the Thames Valley Pharmacists' Association also visited the Hounslow works.

**INQUEST.**—An inquest was held at Shanklin, on May 29, on the body of Victor Hobson Goldthorpe, a works chemist in the employ of British Dyes, Ltd., Huddersfield, who had been previously reported missing. Evidence showed that the deceased, who had been suffering from a nervous breakdown, committed suicide by drowning himself, and a verdict was recorded to the effect that he was of unsound mind at the time.

**IN THE COURTS.**—At Lexden Petty Sessions, on May 26, Robert Lennox, farmer, was summoned for having placed strychnine in the carcass of a lamb, with the result that a dog was found dead close by. It was shown that many cases of sheep-worrying had been reported locally, and the Bench, while finding the defendant guilty, declined to impose a fine.—At Tower Bridge Police Court, London, on May 28, Otto Kaube, ship's cook, was fined £75 for smuggling twenty-six bottles of a spirit 58 degrees over proof.

**THEFT CHARGES.**—At Newport (Salop), on May 22, a boy, aged fifteen, whose name was not divulged, was charged with stealing two bottles of brilliantine and a bottle of perfume, value 4s. 9d., the property of Mr. Wilson Lee, chemist and druggist. The lad was bound over a year.—At North Walsham, on May 29, Jeremiah Addison, chemist and druggist, was bound over on a charge of stealing the sum of £17 10s., the moneys of his employer, Mr. R. M. Ling, chemist and druggist. It was stated that the accused bore an excellent character and had written to Mr. Ling informing him of the facts.

**CANCER CAMPAIGN.**—An appeal, signed by the Earl of Athlone, Lord Dawson of Penn, Sir John Bland-Sutton, Sir Thomas Horder, Sir Edward Marshall-Hall, Sir Bernard Spilsbury, Sir William Wilcoxon and others, has been issued appealing for funds in aid of cancer research. The signatories have founded a movement, under the title "British Empire Cancer Campaign," for the purpose of co-ordinating and supporting cancer research throughout the Empire, and the British Red Cross Society has placed its organisation at the disposal of the council. Cheques may be forwarded to the Hon. Sir Arthur Stanley, 29 Berkeley Street, London, W.1, or to any branch of Lloyds Bank, Ltd., crossed "British Empire Cancer Campaign."

**DANGEROUS DRUGS ACT CHARGES.**—At Marlborough Street Police Court, London, on May 26, Albert Arthur Brown (16), described as a messenger, was charged with stealing a  $\frac{1}{2}$ -oz. bottle of cocaine, the property of C. Jolley & Co., Ltd., chemists, Curzon Street, W.1. Mr. A. R. Campbell, chemist and druggist, assistant to Messrs. Jolley, said that the accused was supplied as bicycle messenger by the Initial Carrier Co., in pursuance of a contract. A remand was ordered.—At the same court, George H. Johnstone, Julian Pinder, and Marjorie Hatton were remanded on charges of being in unauthorised possession of morphine tablets. All the defendants were described as of independent means.—At Ealing, on May 30, Alice Gough, a nurse, charged with remand on having obtained morphine hydrochloride unlawfully (*C. & D.*, May 26, p. 721), was placed on probation for twelve months on condition that she entered a reformatory institution.



## Irish News

### Brevities

Chemical manufacturers exhibited various potash salts at the recent Dublin Spring Show.

The South Londonderry Motor Cycle Club (Maghera-let) have re-elected Mr. Samuel S. Badger, M.P.S.I., resident for the ensuing year.

The pharmaceutical licentiates of Belfast and district are arranging a meeting for June 6 in the Lounge, M.C.A., Wellington Place, at 8 p.m., to consider the present R.D. proposals and the best means of protecting the licentiates' interests. It is hoped that all L.P.S.I.'s will make a point of being present.

The Ministry for Local Government in the Free State has refused to sanction proposed payment of a bonus on salary to Mr. Maloney, compounder of medicines at the Tipperary dispensary, as he is not a whole-time officer, and consequently not eligible to receive a bonus on the civil service scale. After a discussion, the chairman gave notice that he would move that Mr. Maloney's salary be increased and that the increase be retrospective.

### The Licensing Bill

The North of Ireland distillers, brewers, beer bottlers, wholesale wine and spirit merchants, retailers and spirit officers have submitted a memorandum to Sir James Craig suggesting the following in connection with the Licensing Bill:—

**Methylated Spirit.**—Every retailer should be approved by the Licensing Court, and registered. Wholesale dealers should only be allowed to supply registered retailers. Retailers to keep a book, giving the following details of all sales of methylated spirits:—(a) Date of sale. (b) Name, address, and occupation of the purchaser. (c) Quantity of spirit sold, minimum to be one half pint. (d) Purpose for which the spirits sold are stated by the purchaser to be intended to be used. (e) The foregoing entries to be confirmed by the signature of the purchaser. This book to be available at all times for the inspection of the police or of any member of the public on payment of a fee. Minimum penalty of £2 against any purchaser for false information.

**Wine Licences.**—These licences to be issued, confined to the sale of medicated wine, only to suitable applicants by the Licensing Court, who shall assess the monopoly value of the licence and charge an equivalent licence duty. Their hours of sale to be the same as those of other licensed houses.

## Scottish News

### Brevities

Elgin Parish Council has appointed W. & A. Robertson, chemists, to supply drugs, etc.

Chemists have found great difficulty in making seasonal displays during the past month.

Mr. Russell, chemist and druggist, is opening a pharmacy in Sunnyside Road, Coatbridge.

A new Scottish wholesale patents and proprietaries list is in course of preparation for early publication.

Mr. Culbert, chemist and druggist, Airdrie, will shortly open a business near the Central Station, Coatbridge.

Mr. J. M. Murray, chemist and druggist, has been appointed a member of the management committee of the Montrose Merchants' Association.

Mr. George Smith, chemist and druggist, has taken over the business of Mr. J. Williamson, Ph.C., 38 Princes Street, Dundee. Mr. Smith was formerly with Johnston & Adams, chemists, Murraygate.

In the current annual report of the sanitary inspector of the burgh of Kilmarnock is a table showing the various trades carried on locally. It is noted that there is one manufacturing chemist in this area.

### Aberdeen

The first golf match between teams representing the retail and wholesale members of the Aberdeen and District Pharmacists' Club took place in beautiful weather on the Murcar course on May 23. After a keen and interesting contest, many of the matches being carried to the last green, victory rested with the retailers by five matches to three. The results were as under:—

Wholesale		Retail	
Mr. David Ross ...	0	Mr. H. M. Dugan ...	1
Mr. J. Forsyth ...	1	Mr. M. C. Ross ...	0
Mr. J. Greig ...	0	Mr. H. Wallace ...	1
Mr. A. Bonner ...	1	Mr. J. Adan ...	0
Mr. W. Garrow ...	0	Mr. Jas. Farquhar ...	1
Mr. C. W. Henny ...	0	Mr. C. Michie ...	1
Mr. P. Murray ...	0	Mr. J. Michie ...	1
Mr. A. J. Smith ...	1	Mr. W. Turner ...	0
	3		5

Credit is due to Mr. David Ross (W. Paterson & Sons), captain of the Club, for inaugurating what is hoped may be an annual event.

The Ministry of Health, states a report of the Aberdeen County Council, in investigating what practical steps can be taken to minimise the risk of the introduction of anthrax in imported manure, was informed by the Government of India, one of the principal bone-exporting countries, that no system of sterilisation before shipment would be introduced as a voluntary measure, and that the effect of Great Britain requiring that bones exported to this country should be first sterilised would be to prevent shipment of this material to this country, as it was made clear that sterilisation before shipment was impracticable on any but the smallest scale.

### Edinburgh

Mr. John T. Coats, Ph.C., has been elected managing director of John Mackay & Co., Ltd., manufacturing chemists, Canning Street.

Mr. William P. Young, chemist and druggist, Broughton Street, who has been in rather poor health for some months, is now back at business.

A memorial window, presented by former students to serve as a link between the old college in Clyde Street and the present institution, was unveiled in the Royal Dick Veterinary College on May 25.

"The Royal Infirmary Pageant on May 26 did not help business," writes a correspondent. "Three chemists, in different quarters of the city, tell me that their takings were respectively £4, £5 and nearly £9 less than on the corresponding day of last year."

### Glasgow

Boots, Ltd., will shortly open a branch at 102 Argyle Street.

Several deaths have occurred in Glasgow from lysol poisoning of late.

Mr. I. Furst, chemist and druggist, has opened a pharmacy at 910 Great Eastern Road, Parkhead.

Glasgow Pharmacy Club will hold an angling competition on Loch Leven on June 26. Anyone connected with pharmacy wishing to join in the day's outing should communicate as soon as possible, but not later than June 11, with the secretary, Mr. D. S. Gowans, chemist and druggist, 556 St. Vincent Street, Glasgow.

The registrar of the Dental Board calls attention, in a letter to the Press, to an advertisement appearing in the "Glasgow Herald" some weeks ago, offering dental diplomas and American university degrees said to be obtainable by thesis written at home. The American University Union in Europe states that "no reputable university in the United States gives degrees earned by correspondence only." The registrar points out that no Colonial or foreign qualification can be entered in the Dentists Register unless it has been recognised by the General Medical Council.



## Irish Chemists' Wine Licences

A SPECIAL general meeting of the pharmacy and drug trade, called to consider the Licensing Bill now before Parliament as it affects wine off-licences, was held on May 23, in the Chemists' and Druggists' Rooms, Belfast. All parts of the six counties were represented. Mr. Andrew Wilson, President of the Ulster Retail Drug Trade Association, occupied the chair. The chairman said he had taken the responsibility of calling the meeting, which was not, however, a meeting of the U.R.D.T.A., for the purpose of taking steps to fight this unreasonable legislation which was proposed. It would be necessary to raise an organisation to do so, with a treasurer, committee and secretary. Mr. A. E. Dickson, secretary, Londonderry Chemists' and Druggists' Association, wrote:—"Your letter addressed to all members of the U.R.D.T.A. calling a meeting to discuss the Licensing Bill now before the Northern House of Commons was considered by our Committee. Whatever steps you may take to safeguard members' interests under this Licensing Bill will have the support of our Association. Should a deputation be sent to the Home Secretary, and you would like a representative from Londonderry, Mr. N. L. Craig would be willing to join that body." Mr. J. C. Culbert moved, and Mr. J. Dundee seconded, that Mr. Samuel Suffern be selected, and this was agreed to unanimously.

### DISCUSSION

Mr. J. C. Culbert said that at a previous meeting four members were deputed to wait on the Ministers who had to do with the Bill, namely, Mr. J. Milne Barbour, Parliamentary Secretary to the Ministry of Finance, and Mr. R. D. Megaw, K.C., Parliamentary Secretary to the Ministry of Home Affairs. The Government, it was ascertained, intended doing away with all mixed businesses of off-licences, but he thought he was safe in saying, from information received before and since from various sources it was not the intention of the Government to strike at chemists directly. Chemists had been more or less brought in, and were unexpectedly hard hit. There was no provision in the Bill for chemists selling wine at all. The people they met were not in a position to give them very much information beyond the position of affairs that led to the Bill being drafted. They made it very clear, however, that the main point at issue was the doing away with all off-licences in mixed businesses. It should be made very clear that chemists were brought within the ambit of the proposed legislation, and they must dissociate themselves very strongly from the classification. They were not in sympathy with spirit grocers, and they knew the position of affairs into which they had allowed themselves to be led. He ventured to say they never heard of a case where a chemist had been up for a breach of the licensing restrictions. Looked at in that light it was very hard indeed to be classed along with spirit grocers in that matter. It was not merely the limitation of their business that was concerned, but the more serious thing was the cutting down of the rights of the chemists and the medical men to some extent to prescribe. If a doctor ordered a patient a preparation containing spirit it would be illegal to obtain it in the ordinary way through a chemist. He must go to a licensed house for it. Chemists would be thoroughly justified in seeking amendments to the Bill so far as their business was concerned. Mr. Huston Lancashire, J.P. (Ballymena), thought the Government had made a great blunder in proposing to take away wine licences from chemists. In almost forty years' experience he had not known a case of that licence being abused, and he was sure that was the experience of the trade. If the proposed clause were carried the public would have to make their purchase in the public-house. The chairman pointed out that the Parliamentary Secretary to the Home Office had said no compensation would be payable to the chemist. Mr. I. W. Nicholl was opposed to going for compensation. He would go for the amendment of the clause and approach Sir James Craig, who was a very fair-minded man. If the Parliamentary people were approached he believed they would be reasonable. Mr.

Horatio Todd said the police raised no complaints except against a certain class of spirit grocers. The chairman said rabid teetotallers for years argued that these wines were the beginning with women and invalids. He personally had never seen a case to prove that. Mr. Nicholl said the clause would not stop the sale of Wincarnis or Hall's Wine, which, as was already pointed out, would be got in public-houses in future. Mr. Storey moved that they have an amendment moved to the Bill pointing out that chemists have not abused the wine licences. The chairman, however, suggested a memorial first, to which Mr. Storey agreed. Mr. Badger seconded, and said that what made him take up the wine licence was rabid teetotallers coming to him who would not go into a public-house. He had never seen the wine licence abused. People could get a better bottle of wine from the chemist than the publican. The resolution was passed unanimously. Mr. W. R. Fee (Belfast), as a chemist, felt sorry and troubled that their worthy profession has allowed itself to be tied together with a class of traders, the abolition of which by the Commonwealth was necessary for the social and moral uplifting of the people. They were out for their trade, their profits and their turnover, but there was another side yet—the moral side—which they must not forget. The Bill was only an apology, being a compromise between two parties. He was only a minority, but he felt he must retire. Mr. Fee then left the room amid some laughter. It was agreed on the motion of Mr. Todd, seconded by Mr. Badger, that each person present be responsible for £1 towards expenses. On the question of the memorial, Mr. Culbert said chemists holding wine licences should not be confused with spirit grocers. The Bill aimed at limiting the rights of medical men to prescribe preparations containing wines and spirits, no matter how medicated. To show that chemists were not in favour of the mixed business licence as it obtained in the spirit grocery at present, he suggested the following amending scheme for chemists' sales:—

**WINES—MEDICATED.** In the case of mixed wines the formula and directions to be supplied to a committee (five medical men, three chemists, and two nominees of Home Office), and if approved by them must bear the following label: "This preparation is permitted for sale, but such permission does not imply any recommendation or guarantee of any sort on the part of the authorities."

**WINES—UNMEDICATED.** Any wines not coming inside above regulation would be classified with plain wines unmedicated to be sold in single bottles only, each bottle to bear the name and address of the seller and the date of the sale: (a) If prescribed on a signed form by a medical man (this regulation also to apply to small quantities of brandy). (b) If on a written order from a householder stating that it is to be used medicinally.

Medicated wines and spirituous elixirs, such as Panoppeon, to be definitely free of all licence restrictions. Unmedicated modified licence duty of, say, £1 per annum, to be applied for in the ordinary way provided in the Act (the Licensing Sessions), and each renewal to be accompanied by a certified statement of sales in preceding year.

Mr. C. B. Abernethy thought the suggestions were on the right lines. Mr. Gibson said there was a clause in the Act allowing tobacconists to sell wine. That should be pointed out, for it was unfair. He was opposed to Mr. Culbert's suggestion of a register. They had too many registers already. Eventually a committee was chosen to draft the memorial and interview members of Parliament or circulate it them. The following were elected:—*City*.—Messrs. S. Gibson, J.P., J. C. Culbert, F. Storey, H. Todd, S. McLaughlin, A. Wilson, W. F. Wilson, W. J. Hardy, I. W. Nicholl, M. McDonald, and S. Suffern. *Country*.—Messrs. T. Sandford (Newtownards), J. M. Wadsworth (Lisburn), T. J. O'Connell (Aughnacloy), J. Orr (Armagh), N. L. Craig (Londonderry), H. Lancashire (Ballymena), A. W. MacLurgan, R. F. McCartney (Coleraine), G. Shannock (Castlewellan), J. K. Lyons (Carrickfergus), J. Sandford (Portadown), W. S. Taylor (Enniskillen), and F. Smith, J.P. (Antrim).

LEICESTER pharmacists are seeking to raise the sum of £200 for the local University College.



## Pharmaceutical Affairs in the Transvaal

(From a Johannesburg Correspondent.)

MATTERS of great moment have been under consideration during the last two months. The Medical and Pharmacy Bill has, naturally, been attracting great attention, and at the time of writing is having the consideration of a select committee in the House of Assembly.

### THE TITLE "CHEMIST"

In many quarters it is thought that the Act will abolish the title "chemist and druggist" as a distinctive name for the future generation. Unhappily, the four provinces are not at one regarding this matter. Natal is strongly for the title "pharmacist," or alternately "pharmaceutical chemist." The Orange Free State and Transvaal are unreservedly in favour of retaining the title of "chemist and druggist." The north-eastern districts of Cape Colony are with Transvaalers and Free Staters also, but to date we have had no definite statement from the western and eastern parts of the Cape Province. The various Chambers of Commerce in the Union have expressed themselves as highly indignant at many of the provisions of the Bill, and a number of scurrilous letters have appeared in the public Press to the effect that "if the sale of all medicines is left in the hands of the chemist" then the public will be fleeced unmercifully. These bodies are wailing too soon, as the new Bill (if passed) does not aim at restricting the sale of medicines solely to chemists, but what it does aim at is restricting the sale of all "poisonous medicines" to chemists, which is only fair and equitable. When brought face to face with special legislation of this kind, our Parliamentary representatives show a lamentable amount of ignorance on the subject. One member affirms that "we are a lot of profiteers," quite forgetting the fact that the profits upon which we are working at date are those fixed by the Profiteering Commission in 1920-21. However, a deputation of registered chemists and druggists, including Mr. J. S. Ferguson, President of the Transvaal Pharmaceutical Society, and M. H. L. Karnovsky (a member of the committee) proceeded to Cape Town to give evidence on various matters included in the Bill, and with deputations from other centres it is hoped that we will at last get a satisfactory measure.

### THE PATENT MEDICINE TAX

Meanwhile a bombshell has fallen amongst the members of the profession. In introducing the Budget the Minister of Finance announced his intention of taxing patent and proprietary medicines, toilet articles and perfumery, and also his intention of making the tax retrospective, in that all dealers must stamp stock in hand at date. The Budget was introduced in Parliament on March 26, and on March 29 the edict went forth that the tax stamps were on sale and must be bought at once. This meant that City chemists were required to purchase £200 to £300 of stamps at once to affix on all patents, perfumes, toilet goods, face powders and creams. While suburbanites and country dealers might have to purchase £25 to £100 worth. A general meeting of the Transvaal Pharmaceutical Society was called for the purpose of discussing the terms of the Act, and the largest gathering of chemists ever known in Johannesburg was held on Saturday, April 7. Many speeches were delivered, and the Minister of Finance—had he been present—would have had all his ingenuity exercised to answer all the question which were fired off at the President. One and all condemned the tax as unjust and iniquitous, and it was unanimously decided to send a strong deputation to Cape Town to protest against the terms. Mr. R. Macintosh (Petersen's, Ltd.), Mr. Alex. Anderson (secretary of the Transvaal Chemists' Retail Society), and Mr. P. R. Roux were chosen, and proceeded to Cape Town, where they spent a strenuous fortnight in interviewing members of assembly, the Minister of Finance, and collaborating with Cape and Durban chemists in getting definitions fixed and modifications

arranged. The first result of their labours was that they got the toilet articles and perfumery struck off. (These articles will be taxed on importation by a higher tariff.) This meant a big thing for those who deal largely in toilet articles. Secondly, they succeeded in getting permission for chemists to purchase stamps in bond, such stamps to be paid for by instalments extending over twelve months.

One peculiar thing about this taxation is that members of Parliament had no idea that such medicines paid any duty whatever, and were quite surprised when it was pointed out to them that patent and proprietary medicines paid enormous sums towards the revenue of the States. The commonest medicine with a face value or price in England of 1s. 3d. cannot be sold in South Africa at less than 4s. to bear a fair profit, and naturally, perhaps, the chemist is blamed for profiteering, the public thinking that he pockets the difference.

Another instance may be mentioned, that of Athensted tincture of iron. The duty alone on this article is 300 per cent. At this date (nearly six weeks after the terms of the Budget have been issued) we learn through the public Press that various items, such as infants' powder, gripe water, and embrocation, are exempted, and the conditions as regards what to stamp and what not to is "chaos."

The Price List Committee is spending time and money in an endeavour to publish a list which it is hoped will prove of some assistance to members, but in the face of exemptions, modifications, and sheer ignorance on the part of the authorities it seems to be a hopeless task.

### PATENT MEDICINE PRICES

It will be seen from newspaper advertisements enclosed what conditions prevail here as regards opposition to chemists. The protected minimum retail price of Piver's face powder in England to-day is 3s., yet 7,000 miles from the source of supply these powders are being sold at 9d. less. And so it is with numberless lines. These stores stock anything and everything, from a needle to an anchor, and seem to take a fiendish delight in undercutting chemists' wares. Of course, it is the usual sprat to catch the mackerel, but unfortunately the chemists' trade is all sprat and no mackerel. Now it is hopeless for the chemist to get 3s. 6d. for an article costing 36s. per dozen (a small profit), but to get that price, plus a sixpenny stamp, is absolutely impossible. Until the Government issue a comprehensive list of all articles requiring stamps it will be impossible to get uniformity in the matter. The tax is imposed on the retail price, and who is going to say what is retail price. The retail price in Cape Town is vastly different from the retail price in Komati Poort, 1,000 miles distant. Truly, Mr. Burton, K.C., Minister of Finance, cannot be congratulated on such a hasty, ill-conceived and burdensome piece of legislation.

The newspaper advertisement referred to above is that of a toilet requisite company, and some of their prices are as follows:—

	P.A.T.A. Mini- mum Retail Price.		P.A.T.A. Mini- mum Retail Price.
Kruschen salts, 2s. ..	1s. 9d.	Vinolia shaving sticks, 1s. ....	7½d.
Iclma face cream, 2s. ....	1s. 3d.	Pinaud's brilliantine, jar, 2s. 6d. ....	—
Thermogene wool, 1s. 9d.	—	Pears golden series shaving sticks, 1s. 6d. ....	—
Johnson's baby powders (3 tins), 2s. 9d. ....	1s.	Do., brilliantine, tin, 2s.	—
Angiers Emulsion, 3s. 6d. and 6s. 6d. ....	—	Aspirin, Bayer (bot.), 1s. 6d. ....	1s. 3d.
Kepler's oil and malt, 4s. 6d. and 8s. 6d. ....	—	Do., 100's (bot.), 2s. 6d.	—
Scott's emulsion, 3s. 9d.	3s.	Reudel's bath salts (bott.), 3s. 3d. ....	3s. 3d.
Hospital cotton wool, per lb., 1s. 9d. ....	—	4711 Eau de Cologne bottle, 9d. ....	8s. 9d.
Cloudy ammonia, large bottle, 9d. ....	—	Formamin tablets (bot.), 2s. 6d. ....	2s. 9d.
Piver's face powder, 2s. 3d. ....	3s.	Evans' pastilles 1s. 1d.	1s. 3d.
Mennen's shaving cream, 1s. 9d. ....	1s. 9d.	Eno's fruit salts, 3s. 11.	3s.
Colgate's tooth powder, 1s. ....	—	Cleaver's bay rum, 2s. ....	—



## Legal Reports

**Irregular Sale of Laudanum.**—At Downham Market, on May 28, Ernest Lionel Hinde, chemist and druggist, Stoke Ferry, was summoned under the Dangerous Drugs Act, 1920, for having supplied laudanum to Morley Thomas Croot, Colin Mackenzie, and Victor George Eugene Manders, who had no licences. Croot and Manders were also summoned for aiding and abetting Mr. Hinde. All the defendants pleaded "Guilty." Mr. D. Jackson, who appeared for Mr. Hinde, said it was a purely technical offence, as Mr. Hinde did not realise that the Act was in force. It was the first prosecution of the kind in Norfolk, and he suggested the case might be dismissed on payment of costs. The other defendants were quite ignorant of the Regulations. Mr. H. G. Lemmon, who appeared for Croot, said the case exhibited very clearly the difficulties of legislation by Regulations. These Regulations were not accessible to everybody. The Act was aimed at the more dangerous drugs. He supposed that if anyone suffered from toothache, he would have to apply to the superintendent of police for a certificate. The object of the prosecution would be fully met by the publicity that would be given to the proceedings. Mr. Hinde was fined 2s. 6d. in each case, with costs, making 27s. 2d. in all. The cases against the other defendants were dismissed.

**Motion for Injunction.**—In the Chancery Division of the High Court, London, recently, Mr. Justice Russell heard an application by Kodak, Ltd., for an injunction restraining British Kodisk, Ltd., until the trial or further order from trading under that name or under any similar name likely, it was alleged, to mislead the public into the belief that the defendant company was the same as the plaintiff company or in some way connected with the plaintiffs' business; from passing off their goods as the goods of the plaintiffs; and from advertising or issuing any notice containing the word "Kodisk" in connection with goods not the goods of the plaintiffs. The dispute had reference to the sale of metal discs which recorded the voice of the purchaser and bore a slip of paper with the words "snapshots of your voice." His lordship, after hearing arguments, suggested that the defendants should have labels printed from which the words complained of should be omitted. Mr. Moritz, for the plaintiffs, asked that the labels should contain the words "No connection with the Kodak Company." Mr. J. Hunter Gray, K.C., for the defendants, consented to this, and said that his clients would widely advertise the fact that they had no connection with the plaintiffs. His lordship said that Mr. Moritz was well advised to accept the defendants' undertaking, without prejudice to any question. Costs on the motion would be costs in the action.

**Dispensing Tested.**—At Hampstead Police Court, on May 30, two pharmacists and a limited company appeared on adjourned summonses for selling drugs other than those demanded by the purchaser—Messrs. Robert James Gibson Armatage, 6 Cricklewood Broadway; Tom Bellamy, Finchley Road, N.W.; and Parke's Drug Stores, Ltd., 66 Harwood Street, N.W. The case was opened five weeks ago, when an adjournment was granted to provide for a further analysis by the Government analyst at Somerset House, as provided for in the Act (*C. & D.*, April 28, p. 575). Mr. A. Maconachie appeared for the Borough Council; Mr. H. Glyn-Jones, barrister, for Mr. Armatage and Mr. Bellamy; and Mr. R. L. Parry, barrister, for Parke's Drug Stores, Ltd. The case of Mr. Armatage was taken first. William George Kershaw, sanitary inspector, produced the certificate of the public analyst to the Borough of Hampstead, which showed that the quantity of quinine sulphate in the sample analysed was found to be  $5\frac{1}{2}$  gr. to the ounce, instead of the required 6 gr. Mr. Alfred Walter Stokes, F.I.C., public analyst to the Council, said the analysis was done three times by two methods. Cross-examined, he agreed that the dispenser's apparatus was not so accurate as that of the analyst. Mr. Frank Edward Scrase, F.R.C.S., L.R.C.P., medical officer of health for the borough, said that the deficiency—11.1 per cent.—was an important inexactitude. Cross-examined:

It is a grave error?—Yes. You have seen the report of the Government analyst, which finds the deficiency to be 6.5 per cent. Is that a grave error?—A 6 per cent. error is a grave one. Is 5 per cent. a grave error?—Yes, I think so. Four per cent.?—I don't know. Three per cent.?—I don't know. The witness added that a 6.5 per cent. deficiency might affect the patient, so that a difference in the patient's condition could be detected. For the defence, Mr. Glyn-Jones called Sir William Henry Willcox, M.D., who said that the discrepancy between the two analyses pointed to the difficulty of extraction. Quinine sulphate was very unlikely to be 100 per cent. pure, even in a good specimen. Those two things might have caused the analyst to the borough to differ from the Government analyst. The Chairman: Is 6 per cent. a reasonable experimental error?—I think it certainly is. The Chairman: One that any dispenser might legitimately make?—I think that if five or six persons were asked to make up the prescription with the apparatus used by the dispenser, you would not get any nearer than 6 per cent. Sir William then demonstrated to the Bench the difference between the apparatus of the dispenser and that of the analyst, and pointed out that, whereas the formed turned only at  $\frac{1}{2}$  gr., the latter was accurate to  $\frac{1}{100}$  gr. He also stated that the analysts' measures were more accurate. Cross-examined, he said he did not think it would be possible to detect any difference in a patient due to a 6 per cent. deficiency in the quinine, as the personal factor was a great one; and he did not think the deficiency of 6 per cent. in a prescription in question mattered a bit. The cross-examination continued: Would you be surprised to know that, out of all the test cases made by the Borough Council, 75 per cent. of the prescriptions have been dead accurate?—I should very much doubt that that percentage were accurate. After a whispered consultation with his colleagues, the chairman announced that, after the expert evidence they had had put before them, the Bench had decided to give the defendant the benefit of the doubt, and dismiss the summonses. That must not, however, be held to justify carelessness on the part of dispensers. The case was very properly brought before the Court, and had been dismissed in view of the expert evidence showing the extreme difficulty of absolute accuracy. The case of Mr. Bellamy, in which the deficiency was stated to be 8 per cent., was also dismissed, no evidence being asked for by the magistrates.—At the same court, Parke's Drug Stores, Ltd., were summoned for supplying a prescription deficient in bismuth carbonate to the extent of 13 per cent. The prescription was as follows:—

Bismuth. carb.	...	...	...	gr. XX.
Sodii bicarb.	...	...	...	gr. XXX.
Aq. menth. pip.	...	...	ad	3j.

Mr. R. L. Parry, barrister, defended. The case was opened for the Hampstead Borough Council, after which Mr. Stokes, public analyst, was examined as to the analysis. In cross-examination, Mr. Parry asked the witness as to the result of the analysis of the reserve sample from the Government Laboratory, and inquired how he accounted for the difference. Witness said it was probably due to the settling of the bismuth in the mixture whilst the sample was being divided. He agreed that the sum of the quantities of bismuth found in the three portions showed that the prescription was correctly dispensed. The chairman of the magistrates said that as there was no inaccuracy the case would be dismissed. Mr. Parry asked for costs, and in view of the remarks which fell from the magistrate on a previous occasion asked to be allowed to make a statement. The chairman said that it was not necessary to make any statement, as defendants were acquitted without a stain on their character. Mr. Parry pressed for costs; but the chairman refused, saying, "I shall never give you costs against a public body."

**Unlawful Supply of Dangerous Drugs.**—At Marylebone Police Court, on May 23, John James Burnby, chemist and druggist, 98 Lisson Grove, N.W.1, and his wife, were summoned for unlawfully supplying heroin to Violet Payne, an unauthorised person, and for attempting to conceal a stock of heroin from the inspection of the



rice. The opening of the case was briefly reported in an issue of May 26 (p. 271). Mr. H. H. Muskett appeared for the Commissioner of Police, and Mr. L. Malley (instructed by Mr. Percy Robinson) defended. In his opening statement Mr. Muskett said that when the police officers visited Mr. Burnby and asked him to produce his books and his stock of drugs which came under the Dangerous Drugs Act, he produced a small bottle of heroin, which had been purchased from Allen & Hanburys, Ltd. The officers noticed another entry in the register of the purchase from Willows, Francis, Butler & Thompson, Ltd., in May, 1922, of  $\frac{1}{2}$  oz. of heroin, and questioned Mr. Burnby as to what had become of it. Mr. Burnby replied, "I broke it, and the drug was wasted." Mrs. Burnby, who was present, corroborated the statement. In a room behind the shop, however, was found a  $\frac{1}{2}$ -oz. bottle labelled "Heroin," the larger portion of which had disappeared. Mr. John Ralph Nicholls, B.Sc., analyst at the Government Laboratory, Clement's Inn Passage, said that he received a bottle containing 21 gr. of diamorphine hydrochloride. After formal evidence from a detective, who mentioned diamorphine acetate as among the stock shown him, the defendants were remanded on their own recognisances. At the adjourned hearing on May 28, Violet Payne, alias Ruby Duvel, who is serving a term of imprisonment for theft, was brought up on a Home Office order to give evidence. She said she had known the defendants, and had visited the shop in Lisson Grove for eight or nine years in order to obtain cocaine and heroin. She said 10s. or 15s. for a small pill-box half full. On May 2 she was admitted by Mrs. Burnby through the back entrance. Mrs. Burnby was half drunk. She asked Mrs. Burnby for either heroin or cocaine, and she brought her some heroin, made it into a solution, and injected it into her arm. She became unwell, and Mrs. Burnby fetched some sal volatile. Cross-examined, the witness agreed that she had been rather hard up, but denied that she had ever gone to Mrs. Burnby for assistance. Mr. Burnby, giving evidence on his own behalf, said he was sixty-one years of age, and had been in business forty-six years without a complaint being made against him. He had been at this particular shop for nine years. Questioned about his purchase of heroin, he said that he purchased  $\frac{1}{2}$  oz. from Messrs. Willows in 1922. Mr. O'Malley: By March of this year had you used that heroin?—Yes. For what purpose?—Heroin used?—Chiefly for cough mixtures. About how much to each cough mixture?—About 2 gr. to the half-pint. In March did you buy a further supply?—I bought two drachms from Allen & Hanburys. They gave it to me in a paper packet. The bottle was not quite large enough, so that I put the rest into an old bottle from Willows.—Mr. Muskett: Have you ever supplied heroin in any form to Payne?—I have never supplied Payne or anyone else. Had you attempted to conceal this particular bottle in the drawer?—No. Did you know your wife had been supplying drugs to anyone?—No. The witness added that his wife assisted him at the counter, but did not dispense. She was sometimes worse for drink. He did not know Payne was a drug-taker, and he could not explain Payne's allegations, except that she hardly knew what she was talking about. Dr. Boyd, Seymour Place, W., said he had known Mr. Burnby for fifteen to twenty years, and he bore the highest possible character so far as witness knew. Mr. O'Malley submitted that under the Dangerous Drugs Act it was not necessary to record the sale of a mixture if it contained less than one-thousandth part of heroin, and so very important was the point to chemists that if the magistrate were against him he should ask him to state a case on it. The defendant only sold heroin in cough mixture. As to Miss Payne, counsel submitted that, being a drug victim, she could not be believed. There was no evidence that Mr. Burnby concealed any of his stock or failed to enter any particular sale. The magistrate, giving his decision, said he found Mrs. Burnby guilty of supplying Violet Payne and of attempting to conceal the drug from the police. Mr. Burnby he found not guilty of supplying the drug, but guilty of attempting to conceal the stock and of failing to keep a proper record in the register. He sentenced

Mrs. Burnby to six months' imprisonment for supplying and one month for concealing, the sentences to run concurrently. As to Mr. Burnby, he was in the unfortunate position of having a wife who was addicted to drink. At the same time, he was in a responsible position of dealing in these drugs, which were of vast consequence to the public. He had shut his eyes and allowed himself to be blind to what was going on, and, although he was not actually a party to the sale on May 2, by failing to keep the register properly entered up he had made it more possible than it should have been for his wife to carry out her crime. He sentenced him to two months' imprisonment in the second division on each of the two charges (the sentences to be concurrent), and ordered him to pay a fine of £50 for each of the two offences.

**Trade-mark Appeal.**—In the Chancery Division of the High Court, London, on May 29, Mr. Justice Eve heard an appeal by C. E. Fulford, Ltd., Leeds, under the Trade Marks Acts in reference to the registration of a word-mark by the United Chemists' Association, Ltd., Cheltenham. The appellants were represented by Mr. Whitehead, K.C., and Mr. Moritz, and the respondents by Mr. Hunter Gray, K.C., and Mr. Trevor Watson. Mr. Moritz stated that the appeal was from the Controller-General and Registrar, who on December 29, 1922, refused to rectify the register by expunging a trade-mark which the respondents had registered. Under the Trade Marks Act, 1919, the Registrar had power to remove marks from the register, but in this case he had not exercised his right. The mark in question was applied for and obtained on February 15, 1921, by the United Chemists' Association, Ltd., who generally called themselves "Ucal." It was a word-mark known as "Pan-Pep," and was applied for under a particular classification given in the "Trade Marks Journal" as "chemical substances prepared for and used in medicine and pharmacy, but not including medicated wines, or wines of the like kind." Counsel contended that this included the whole range of pharmacy with the exception of medicated wines or goods of that character. The mark was registered, but the fact that it was being applied for escaped the appellants' observation, and they raised no opposition, eventually having to apply for the rectification of the register by asking for the mark to be expunged. Fulford & Co., Ltd., were proprietors of a mark known since January 17, 1908, as "Peps." This was not merely a paper registration; £500,000 had been spent on advertisements for this article. The defence raised was that "Pan-Pep" could not affect his clients' registration of their word, as "Pan-Pep" was only a remedy for dyspepsia and indigestion. The only question for the Court was whether the ordinary person who bought proprietary medicines was likely to confuse the appellants' word "Peps" with the respondents' word "Pan-Pep." Counsel read an affidavit by Mr. Bowyer, of the appellant company, who had been connected with it for twenty-three years. His company's annual sales for the last ten years, the affidavit stated, had amounted to upwards of £50,000, and they had spent £20,000 a year in advertising. When the respondents put "Pan-Pep" on the market, he considered it bore such a resemblance to his company's name as was calculated to deceive the ordinary buying public. Mr. Justice Eve said it might be that an agricultural labourer would not understand the meaning of "Pan." Mr. Moritz replied that the word "Pan" meant "all." He had sixteen affidavits of a similar nature to Mr. Bowyer's, but he did not propose to read them. Their effect, however, was that the word "Pan-Pep" was likely to confuse the ordinary buyer and make him think it was of the same origin as "Peps." He read the evidence of Mr. W. H. Holliday, a buyer for Boots Pure Drug Co., Ltd., as typical of that testimony, he stating that anyone who saw the word "Pep" or "Peps" would think it was a class of goods of the appellants' manufacture. Counsel proceeded to read the evidence for respondents of Mr. E. T. Neathercoat, Ph.C., Weybridge, President of the Pharmaceutical Society of Great Britain. This testimony was that, with twenty-five years' experience in the trade, he did not



think it possible for anyone to make a mistake and think "Pan-Pep" was "Peps." The evidence of Mr. Harold Miller, chemist and druggist, a director of the respondent company, was also to the effect that nobody could possibly mistake the one class of medicine for the other by the description. His suggestion was that the appellants were trying to monopolise the word "Pep," which was being used all over the country in a variety of ways. Mr. Watson, for the respondents, submitted there was no risk of confusion in the two words. The respondents recognised that the appellants had put a most valuable article on the market, but his clients were selling an article for the cure of dyspepsia and indigestion, not for colds. The appellants seemed to want to stretch the use of their trade-mark to give them the monopoly of the use of the word "Pep," which was being applied to different things in this country and elsewhere. A suffix or affix to the word "Pep" could not be said to be an infringement of the trade-mark word. It was a curious fact that the appellants had not produced any evidence of anybody having been deceived by the use of the name "Pan-Pep." Mr. Dighton Pollock, for the Controller and Registrar, said there was no evidence before the Court below that the respondents' name was likely to deceive purchasers of the appellants' cold and cough specific. His lordship said he had no evidence before him to show that there was likely to be any confusion in the names, or that any was to be apprehended. He had the declarations of the various witnesses before him on both sides; he had formed the opinion that the word "Pan-Pep" was not likely to lead to confusion as to the origin of the goods, and he did not think that a firm of the reputation of the respondents would apply their mark to medicines nearly approaching those of the appellants'. The appeal would be dismissed, with costs.

## New Companies and Company News

P.C. means Private Company and R.O. Registered Office

**RHUAKA REMEDIES (1923), LTD. (P.C.).**—Capital £2,500. Objects: To acquire the business of manufacturers and dealers in a certain patent medicine heretofore carried on by Rhuaka Remedies, Ltd. (now in voluntary liquidation). R.O.: 6 George's Square, Halifax.

**ROWELLS' DRUG STORES, LTD. (P.C.).**—Capital £500. Objects: To take over the drug stores at 6 Market Place, Whittlesea, and to carry on the business of chemists, druggists, drug store proprietors, patent medicine proprietors, seedsmen, dealers in dog and cattle foods, wine and spirit merchants, etc. The first directors are: J. E. Rowell and Mrs. E. J. Rowell. R.O.: 6 Market Place, Whittlesea.

**LAWES, TRACEY & DYMOND, LTD. (P.C.).**—Capital £25,000. Objects: To adopt an agreement with H. E. Lawes, G. Tracey and F. R. Dymond, and to carry on the business of manufacturing and analytical chemists, druggists and perfumers, manufacturers, exporters and importers of and dealers in all kinds of chemicals, drugs, roots, herbs, leaves, barks, spices, seeds and flowers, etc. The permanent directors are: H. E. Lawes, "Chazalie," Park Avenue, Watford; G. Tracey, 100 Mildred Avenue, Watford; and F. R. Dymond, Hampton Grange, Hereford. R.O.: Lion Works, Sydney Road, Watford.

**PEARSON'S (YORK), LTD. (P.C.).**—Capital £5,000. Objects: To adopt an agreement with J. W. Pearson, and to carry on the business of dysralters as formerly carried on by him at 53 Petergate, York, and that of manufacturing chemists, dealers in preparations, compounds, health and liver salts, saline, extracts, foodstuffs, beverages, polishes, preservatives, dyewares, glues, siccatives, alkali, colours, and patent and other medicines and remedies, etc. The first directors are: H. Foster, 9 Minster Yard, York; J. W. Pearson, 53, Petergate; J. W. Westernman, North Villa, Fulford Road; and R. Cramp-ton, 82 Bootham. R.O.: 51 Coney Street, York.

**BAYER PRODUCTS, LTD. (P.C.).**—Capital £10,000. Objects: To acquire from the Bayer Co., Incorpd., of New York, the goodwill, patents and trade-marks of that company concerned in and relating to the business carried on in "the United Kingdom of Great Britain and Ireland," in substances used in medicine, pharmacy, perfumery and toilet articles of all kinds, including cosmetics, products used or intended to be used for agricultural, horticultural, sanitary, disinfecting or preserving purposes, or insecticides, or germicides, and substances or articles used for photographic (except photographic paper) or scientific purposes, and chemicals or substances of any kind to be used in the production thereof. The first directors are: W. D. Rowles, W. H. Knight, L. Cooper and A. C. Henry. Solicitors: McKenna & Co., 31-4 Basinghall Street, London, E.C.

**BOOTS PURE DRUG CO.**—The prospectus of the offer of 250,000 of Boots Pure Drug Co. ordinary shares is now published, and invitations are invited from the public for the shares at the price of £4 per £1 share. The employees of the company are offered 60,000 of the shares at the price of £3 10s. per share. The offer for sale is made by Liggetts International (Inc.), which now controls the Boots Pure Drug Co., and through this company the various subsidiary retail undertakings of Boots Cash Chemists.

**THE DUBARRY PERFUMERY CO., LTD.**—In our issue of May 5 (p. 619) we gave particulars of the formation of this company with a capital of £150,000, which is divided into 100,000  $7\frac{1}{2}$  per cent. cumulative preference shares of £1 each and 1,000,000 ordinary shares of 1s. each. In the advertisement section of this issue will be found particulars of a prospectus to be issued at the end of this week, inviting applications for 86,200  $7\frac{1}{2}$  per cent. cumulative preference shares of £1 each (£86,200) and 86,200 ordinary shares of 1s. each (£86,200), making a total of £90,510. The company has been formed to acquire in the first instance the whole or a controlling majority of the issued shares of The Standard Toilet Co., Ltd., of Hove and elsewhere, and then (by winding up that company) the "Dubarry et Cie" undertaking and business and all the other undertakings and businesses of that company. The object of the present issue is to provide additional capital for extending the present factories, for which an adjoining site has been acquired, and for opening additional showrooms in London and the provinces. The existing company was formed in 1910 with the principal object of manufacturing pharmaceutical products; in 1916, owing to remarkable success having attended the company's efforts to effect improvement in the manufacture of fine soaps, perfumery and toilet luxuries generally, these goods were placed on the market. They immediately achieved great popularity, and further capital is now required to take advantage of the growth of the demand. The Dubarry perfumery products have in less than seven years established themselves in public favour, and many of them have become articles of every-day use. Full particulars regarding the freehold factories, machinery, advertising, etc., are given in the prospectus, from which we gather that the existing company has registered over 50,000 regular wholesale and retail purchasers of their products in Great Britain alone, and a large and increasing export business is being done with India, South Africa, Australia, China and Japan, which the proceeds of this issue should enable the directors to extend greatly. The full prospectus shows that the total issue of cumulative preference shares is well secured, both as regards capital and interest, and the figures given also show that the balance of profit available for dividend on the ordinary shares should be considerable. The special feature of the offer is that the whole of the purchase consideration will be payable to the vendors in shares only. The prospectus has been posted to the whole of the drug trade, but additional copies can be obtained from any branch of Barclay's Bank or from the secretary, 8 Brompton Road, London, S.W.3. Special consideration on allotment will be given to applications from retail pharmacists. The subscription list will open on Monday June 4, and close on or before Friday, June 8.



## Association Affairs

**Leeds.**—The annual meeting of the Leeds Chemists' Association took place on May 25. Mr. H. Gilleghan presiding. Mr. A. W. Lupton (secretary) presented the annual report, showing a total membership of seventy-eight, of whom thirty-four were members of the pharmaceutical branch only. The President, referring to the report, remarked particularly on the credit due to the secretary for his work in reviving the students' section, and went on to deplore the continued apathy of the chemists as a whole. The trial of the "open syllabus" had yielded very few meetings, and it almost seemed as though there would have to be something very serious in pharmacy to waken chemists to the necessity of attending meetings. The report was adopted. The President said it was decided to let the students run their own organisation for a year and then come to the annual meeting of the Association prepared to admit into the Association all who had become student-associates of the Pharmaceutical Society, or else to consider whether it would be necessary to revise the rule so far as these young people were concerned. The Association must avoid any spirit which would tend to drive them out. The balance-sheet, presented by Mr. F. Midgley (treasurer), showed a balance in hand of £32 19s. 1d., as compared with £35 6s. 6d. at the end of the previous year. The Association had voted a sum not exceeding £5 towards propaganda in reviving the students' section, and small profits had been made on the annual dinner and a social and dance. The accounts were adopted. Coming to the election of new officers, Mr. H. Gilleghan, retiring President, proposed a recommendation of the Council that Mr. H. Roberts (Taylors' Drug Co., Ltd.) be elected the new President. Mr. F. Pilkington Sargeant seconded, and the proposition was carried unanimously. In taking the chair, Mr. Roberts said the future of pharmacy is not as clear as he would like it to be, and they had not yet got accustomed to the new divisions of functions between the various sectional organisations. He fancied the bombshell desired by Mr. Gilleghan to awaken chemists is coming from the Friendly Societies, if one may judge from speeches made at their conferences. They were out to have the dispensing done by the doctors, the latter charging an inclusive fee for the whole service of 9s. to 9s. 6d. per head, and if a doctor wished to have his dispensing done by a chemist it would be for the chemist's account to go to the doctor. If any such thing came to pass chemists must see to it that the Food and Drugs Acts and Weights and Measures Act inspectors have access to surgeries as they have to shops. He fancied the doctors will not be keen on the service at the inclusive figure suggested on such conditions. The following additional officers were elected: *Vice-Presidents*, Messrs. H. Gilleghan and N. N. Armitage; *Secretary*, Mr. A. W. Lupton; *Treasurer*, Mr. F. Midgley; *Auditor*, Mr. G. Jackson; *Council*, Messrs. J. Hayes, F. Pilkington Sargeant, E. Eadie, G. W. Hayes, T. Shooter, W. D. Pollitt, A. L. Peters, A. Winterbottom, and J. H. Beacock. Mr. F. Pilkington Sargeant, in a brief address, dealing with the

### FUTURE OF INSURANCE DISPENSING,

said the chemist to-day is faced with several serious dangers, particularly from various Press "stunts" originated by people who wish to oust the chemist from his work under National Health Insurance. The attack in the matter of accuracy of dispensing Insurance prescriptions was malignant and not justified by facts. They were fortunate in Leeds in having a sound pharmaceutical service, and on behalf of the Pharmaceutical Committee he urged chemists to maintain it. While medical officers of health in the main are actuated chiefly by motives of public welfare, the trivial nature of some prosecutions suggested that behind them lay the professional jealousy which chemists have had to meet in the past and no doubt will have to meet again. The Friendly Societies apparently are another danger, because they are out to set the doctor and the chemist up against each other in an attempt to save something on their own funds in respect of the drug and dispensing account. They heard at the Whit-

suntide conferences, and saw in a journal known as the "National Insurance Gazette"—which was supposed to reflect the views of insured persons—suggestions that the doctors should do their own dispensing, or that if they desired a chemist to dispense that was a matter between the two. The journal had suggested that a considerable proportion of the public desired medicine direct from the doctor. Those who know anything of the old club practice—the only practice to which they must return if they returned to dispensing by the doctors—did not desire any more of it. The speakers and writers must think chemists very meek and mild if they are going to submit to such satisfaction as they were likely to get out of the doctors under such circumstances. Various accusations against chemists were made in the journal concerned, and there was great danger in letting such things go unchallenged. There was another complaint that patients could not get their prescriptions dispensed the same evening as they attended the doctor. He maintained that if a patient is able to work all day and go to the doctor in the evening that patient is quite capable of waiting till next day for the medicine; in many cases, undoubtedly, the patient is capable of doing without the medicine altogether. (Laughter.) Mr. Sargeant believed the majority of panel doctors would dislike a return to dispensing, and he maintained that the complaints were the view not of the public, but of certain highly-paid friendly society officials who were out to save funds. The local Pharmaceutical Committee is a shield to the chemist who does his duty against the man who does not, and it was to be hoped that the election in June would return the right men to the Leeds Committee. In Leeds many tests had been taken, and in no single instance were the ingredients wrong in any appreciable degree, though it must be admitted that there have been one or two cases of uncleanness which are being dealt with by the Committee. In conclusion, Mr. Sargeant referred to the probability that the question of remuneration of the pharmacist will come prominently before the craft later in the year, and he pointed out that that is a matter for the Retail Pharmacists' Union, and not the Pharmaceutical Society.

**Oxford.**—The annual meeting of the Oxford Chemists' Association was held on May 16. Mr. W. Ambrose (President) in the chair. The secretary was directed to send a letter of sympathy to Mr. D. E. Thomas on his recent accident. Mr. H. C. Goodall presented the annual report and statement of accounts, both of which were satisfactory and were adopted. The following officers were elected for the ensuing year: *President*, Mr. J. T. Mountain; *Vice-Presidents*, Mr. W. Ambrose and Mr. W. T. Ransom; *Hon. Secretary and Treasurer*, Mr. Horatio C. Goodall. The above-named officers, with Messrs. Loxley, Neave and Swift, constitute the *Committee*. The Benevolent Fund collecting box was circulated and the contents made up to £3 3s., were sent to the treasurer of the Fund. Reports from the Central Checking Bureau of the Retail Pharmacists' Union were read and considered satisfactory. The Association decided to hold a summer outing on July 5. Mr. H. C. Goodall was appointed the chemists' representative on a joint committee of representatives of approved societies, medical men and pharmacists, to discuss matters relating to the administration of medical and sickness benefits, set up in connection with the Insurance Committee for the county of Oxford. A circular from the R.P.U. was read and discussed, and it was agreed that no steps be taken in the matter. It was decided to appoint the secretary of the R.P.U. as returning officer of the forthcoming election of Pharmaceutical Committees. Votes of thanks were accorded to Mr. Ambrose and Mr. H. C. Goodall for their services during the past year, and to Mr. John Dolbear for the use of a room in which to meet.

**PADUA SAMPLE FAIR.**—The annual International Sample Fair is to be held in Padua (near Venice) early in June. The London office of the Italian State Railways, 12 Waterloo Place, S.W.1, announces that tickets at reduced rates will be issued to Padua during the period of the Fair.



## Dangerous Drugs and Poisons (Amendment) Act, 1923

AN ACT to amend the Dangerous Drugs Act, 1920, and section seventeen of the Pharmacy Act, 1868, and to prescribe the method of calculating percentages in liquid preparations for the purpose of the Poisons and Pharmacy Act, 1908, and the Dangerous Drugs Act, 1920.

BE it enacted by the King's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows :

*Amendment of s. 10 of Dangerous Drugs Act, 1920, 10 & 11 Geo. 5, c. 46.*—(1) The following subsection shall be inserted in section ten of the Dangerous Drugs Act, 1920, after subsection (1) thereof :—

"(1A) If a justice of the peace (or in Scotland either a justice of the peace or a sheriff) is satisfied by information on oath that there is reasonable ground for suspecting that any drugs to which this Act applies are, in contravention of the provisions of this Act or any regulations made thereunder, in the possession or under the control of any person in any premises, or that any document directly or indirectly relating to or connected with any transaction or dealing which was, or any intended transaction or dealing which would if carried out be, an offence against this Act, or in the case of a transaction or dealing carried out or intended to be carried out in any place outside Great Britain, an offence against the provisions of any corresponding law in force in that place, is in the possession or under the control of any person in any premises, he may grant a search warrant authorising any constable named in the warrant, at any time or times within one month from the date of the warrant, to enter, if need be by force, the premises named in the warrant, and to search the premises and any persons found therein, and, if there is reasonable ground for suspecting that an offence against this Act has been committed in relation to any such drugs which may be found in the premises or in the possession of any such persons, or that any document which may be so found is such a document as aforesaid, to seize and detain those drugs or that document, as the case may be."

(2) The words "any books or documents" shall be substituted for the words "any books" in subsection (1) of the said section ten, and the words, "any such books, stocks, drugs, or documents" shall be substituted for the words "any such books or stocks" in subsection (2) of that section.

*Amendment of s. 13 of Dangerous Drugs Act, 1920.*—2.—(1) The following subsections shall be substituted for subsections (1) and (2) of section thirteen of the Dangerous Drugs Act, 1920 :—

"(1) Any person—

(a) who acts in contravention of, or fails to comply with, any regulation made under this Act; or

(b) who acts in contravention of, or fails to comply with, the conditions of any licence issued or authority granted under or in pursuance of this Act; or

(c) who for the purpose of obtaining, whether for himself or for any other person, the issue, grant or renewal of any such licence or authority as aforesaid, makes any declaration or statement which is false in any particular, or knowingly utters, produces or makes use of any such declaration or statement or any document containing the same; or

(d) who in Great Britain aids, abets, counsels or procures the commission in any place outside Great Britain of any offence punishable under the provisions of any corresponding law in force in that place, or does any act preparatory to, or in furtherance of, any act which if committed in Great Britain would constitute an offence against this Act;

shall be guilty of an offence against this Act."

"(2) Every person guilty of an offence against this Act shall, in respect of each offence, be liable—

(a) on conviction on indictment, to a fine not exceeding one thousand pounds, or to penal servitude for a period not exceeding ten years, or to both such fine and penal servitude; or

(b) on summary conviction, to a fine not exceeding two hundred and fifty pounds, or to imprisonment with or without hard labour for a term not exceeding twelve months, or to both such fine and imprisonment; and shall, in every case on conviction for the offence, forfeit to His Majesty all articles in respect of which the offence was committed, and the court before which the offender was convicted may order any forfeited articles to be destroyed or otherwise disposed of as the court thinks fit."

"One half of the amount of any fine imposed by a court of summary jurisdiction in pursuance of this section in proceedings taken by the direction of a Secretary of State or by, or by the direction of, the Director of Public Prosecutions shall, notwithstanding anything in any other enactment, be paid into the Exchequer in such manner as the Treasury may from time to time direct."

"(2A) Subject as hereinafter provided, no person shall in England or Wales be proceeded against by indictment for an offence under this Act unless the proceedings are instituted by, or with the consent of, the Attorney-General or by the Director of Public Prosecutions, and no person shall, on conviction for any offence of contravening or failing to comply with any regulation under this Act relating to the keeping of books or the issuing or dispensing of prescriptions containing drugs to which this Act applies, be sentenced to imprisonment without the option of a fine or to pay a fine exceeding fifty pounds, if the court dealing with the case is satisfied that the offence was committed through inadvertence and was not preparatory to, or committed in the course of, or in connection with, the commission or intended commission of any other offence against the Act :

Provided that the provisions of this subsection prohibiting proceedings by indictment unless the proceedings are instituted by, or with the consent of, the Attorney-General or by the Director of Public Prosecutions, shall not apply where the person charged claims in pursuance of section seventeen of the Summary Jurisdiction Act, 1879, to be tried by a jury.

"(2B) If any person attempts to commit an offence against this Act, or solicits or incites another person to commit such an offence, he shall, without prejudice to any other liability, be liable on summary conviction to the same punishment and forfeiture as if he had committed an offence under this Act."

"(2C) Where a person convicted of an offence under this Act is a company, the chairman and every director and every officer concerned in the management of the company shall be guilty of the like offence unless he proves that the act constituting the offence took place without his knowledge or consent."

(2) The provisions of subsection (3) of section thirteen of the Dangerous Drugs Act, 1920, which relates to the time within which proceedings for an offence against that Act may be brought, shall apply to proceedings for attempting or soliciting or inciting another person to commit such an offence as they apply to proceedings for such an offence.

(3) For the purpose of removing doubts, it is hereby declared—

(a) that in any proceedings against any person for an offence against the Dangerous Drugs Act, 1920, as amended by this Act, it is not necessary to negative by evidence any licence, authority or other matter of exception or defence, and that the burden of proving any such matter lies on the person seeking to avail himself thereof; and

(b) that, notwithstanding anything in section eighteen of the Criminal Justice Administration Act, 1914, or in any other enactment, any term of imprisonment imposed under section thirteen of the Dangerous Drugs Act, 1920 on any person by a court of summary jurisdiction in respect of the non-payment of a fine for an offence against that Act may be ordered to commence at the expiration of any term of imprisonment imposed on that person for the same offence in addition to the fine.



*Amendment of s. 17 of Pharmacy Act, 1868, as respects sales to medical practitioners, dentists and veterinary surgeons, 31 & 32 Vict., c. 121.—3.—(1)* So much of section seventeen of the Pharmacy Act, 1868 (which prescribes certain regulations to be observed in the sale of poisons), as requires an entry in the book to be kept under that section to be signed by the purchaser, shall not, if the conditions mentioned in this section are fulfilled, apply where the purchaser is a registered medical practitioner, and the purchase is made by him for the purposes of his profession.

(2) The conditions to be fulfilled for the purposes of this section are as follows:—

(a) There must have been received by the seller before the sale an order in writing signed by the purchaser stating his name and address and the name and quantity of the article to be purchased:

(b) The seller must be reasonably satisfied that the signature affixed to the order is in fact the signature of the person purporting to sign it, and that that person is a registered medical practitioner:

(c) The article sold, if sent by post to the purchaser, must be sent by registered post:

(d) The seller must enter in the book, in the column assigned to the signatures of purchasers, the words "signed order" followed by the date on which the order is executed, and must preserve the order for a period of two years from the date on which the final entry in the book is made:

Provided that, if a seller is reasonably satisfied that a registered medical practitioner desiring to purchase a poison urgently requires it for the purpose of his profession, but is, by reason of some emergency, unable, before delivery, either to furnish to the seller an order in writing duly signed, or to attend and sign the book, the seller may send the poison to the purchaser to be handed over to him either in exchange for such an order or on an undertaking by the purchaser to furnish such an order to the seller within the twenty-four hours next following.

If any purchaser by whom any such undertaking as aforesaid has been given fails to deliver to the seller a signed order in accordance with the undertaking, or if any person for the purpose of obtaining delivery of any poison under the foregoing proviso makes a statement which is to his knowledge false, he shall be deemed to have procured the commission of an offence under the said section seventeen.

(3) This section applies to registered dentists and registered veterinary surgeons as it applies to registered medical practitioners.

*Amendment of s. 17 of Pharmacy Act, 1868, with respect to sales of poisons on medical prescriptions, etc.—4.—(1)* Where any poison to which section seventeen of the Pharmacy Act, 1868, applies is supplied on and in accordance with a written prescription given by a registered medical practitioner under and in accordance with the provisions of the Acts relating to national health insurance, the seller of the poison shall not be required to make any entry in the book in accordance with the requirements of the said section.

(2) The said section seventeen shall have effect as if for the words "labelled with the name of the article and the word poison, and with the name and address of the seller of the poison," there were substituted the words "labelled with the name and address of the seller of the poison, with the word 'poison,' and with the name of the poison, and, in the case of a preparation which contains a poison as one of the ingredients thereof, with such particulars as to the proportion which the poison contained in the preparation bears to the other ingredients as may be prescribed by Order in Council."

*Calculation of percentages in case of liquid preparations, 8 Edw. 7, c. 55.—5.* For the purposes of the Schedule to the Poisons and Pharmacy Act, 1908, and of section eight of the Dangerous Drugs Act, 1920, percentages in the case of liquid preparations shall, unless other provision in that behalf is made by regulations under those Acts respectively, be calculated on the basis that a preparation containing 1 per cent. of any sub-

stance means a preparation in which one gramme of the substance, if a solid, or one millilitre of the substance, if a liquid, is contained in every one hundred millilitres of the preparation, and so in proportion for any greater or less percentage.

*Short title, interpretation and extent.—6.—(1)* This Act may be cited as the Dangerous Drugs and Poisons (Amendment) Act, 1923, and the Dangerous Drugs Act, 1920, and this Act, in so far as it amends that Act, may be cited together as the Dangerous Drugs Acts, 1920 and 1923.

(2) The expression "corresponding law" in the Dangerous Drugs Act, 1920, as amended by this Act, means any law stated in a certificate purporting to be issued by or on behalf of the government of any country outside Great Britain to be a law providing for the control and regulation in that country of the manufacture, sale, use, export and import of drugs in accordance with the provisions of the International Opium Convention signed at the Hague on the twenty-third day of January, nineteen hundred and twelve, and any statement in any such certificate as to the effect of the law mentioned in the certificate, or any statement in any such certificate that any facts constitute an offence against that law, shall be conclusive.

(3) This Act shall not extend to Northern Ireland, except in so far as it amends the Dangerous Drugs Act, 1920, in relation to matters with respect to which the Parliament of Northern Ireland have not power to make laws.

### An Official Explanation

Sir John Anderson, of the Home Office, informing us that the Dangerous Drugs and Poisons (Amendment) Act, 1923, received the Royal Assent on May 17, and came into force at once, supplies the following *résumé* of the provisions of the Act:—

This Act amends and amplifies the Dangerous Drugs Act, 1920, and amends Section 17 of the Pharmacy Act, 1868: but it should be noted that it does not vary the drugs to which the Dangerous Drugs Act, 1920, applies, and does not in any way alter the Raw Opium Regulations or the Dangerous Drugs Regulations which are now in force. The effect of its provisions may be summarised as follows:—

*Section 1* gives increased powers of search. It empowers a Justice of the Peace to grant a warrant to search any premises and any persons found on the premises, in any case where he is satisfied that there is reasonable ground for suspecting that drugs are being kept illicitly, or that a transaction in drugs which will be contrary to the Dangerous Drugs Acts or the "corresponding law" in a foreign country ("corresponding law" is defined in Section 6) is being carried out or is in contemplation and that documents relating to the transaction are to be found on the premises; and the constable who makes the search may, on reasonable suspicion of any offence, seize any drugs found or any documents relating to a transaction of the character referred to.

It also makes it clear that the existing powers of inspection in Section 10 of the Act of 1920 cover documents as well as books.

*Section 2.*—Sub-section (1) substitutes two new sub-sections for sub-sections (1) and (2) of Section 13 of the Act of 1920.

The first re-enacts the existing sub-section (1), with the addition of two new offences, viz.:—(1) The making or using of false statements with a view to obtaining a licence or other authority under the Act, and (2) the aiding, abetting, procuring, etc., of the commission outside Great Britain of any offence against the "corresponding law" (see Section 6) of that country, or the doing of any act preparatory to or in furtherance of any act which if committed here would be an offence against the Dangerous Drugs Act. Under the second of these provisions, it should now be possible to deal effectively with persons in this country who organise the smuggling of drugs from the Continent to the Far East, the United States of America, and other countries, but do not themselves handle any of the drugs in this country. It will be noted that the powers of search given by Section 1 extend to such cases.

New sub-section (2) increases the penalties under the old Act. It enables proceedings to be taken on indictment by or with the consent of the Attorney-General or by the Director of Public Prosecutions, in which case the penalty may be as much as a fine of £1,000 or ten years' penal servi-



tude or both, and substitutes for the graduated penalties fixed by the Act of 1920 for first and subsequent offences on summary conviction a uniform maximum penalty of £250 or 12 months' imprisonment or both. An exception is made for offences committed through inadvertence in connection with the keeping of records, or the giving or dispensing of prescriptions if not connected with any offence or intended offence against the Acts. In these cases the maximum penalty is a fine of £50.

Persons attempting to commit, or soliciting or inciting another person to commit, an offence are made liable to the same penalties; and directors and officers of companies are made personally liable for offences committed by their companies, unless they can prove that the offence was committed without their knowledge or consent.

Sub-section (3) of Section 2 makes clear two points about which doubt had been felt.

(a) that in a prosecution under the Act it rests with the defendant to prove that he had a licence or other authority to do what he is charged with doing, and that the onus is not on the prosecutor to prove that he had no licence or authority.

(b) that a term of imprisonment for non-payment of a fine imposed in addition to a penalty of imprisonment may be ordered to commence AFTER the expiration of the sentence of imprisonment. Sections 3 and 4 are amendments of Section 17 of the Pharmacy Acts.

Section 3 relates to the sale of poisons to registered medical practitioners, registered dentists and registered veterinary surgeons. Under that section purchasers of poisons included in Part I. of the Schedule of the Poisons and Pharmacy Act, 1908, are required to sign the Poison Book. This provision had been very much neglected in the case of sales to doctors, and after consultation with the British Medical Association and the Pharmaceutical Society, an alternative procedure has been laid down in the section. This procedure is as follows:—

(a) The doctor, etc., must furnish a signed order, bearing his name and address, and stating the nature and amount of the poison required.

(b) The chemist must be reasonably satisfied that the signature is genuine, and is that of a duly qualified doctor, etc.

(c) The poison, if sent by post, must be sent by registered post.

(d) The chemist must himself make an entry in the Poison Book, and must keep the original signed order for at least two years.

Special provision is made also for the supply of a poison to a doctor in an emergency.

This procedure will apply to sales to registered doctors, dentists, or veterinary surgeons of the DANGEROUS DRUGS; and either this or the signature of the Poisons Book should be required to be observed. It should be noted that the provisions of Section 17 of the Act of 1868, and of Section 3 of this Act apply equally to sales by wholesale dealers to doctors, dentists, and veterinary surgeons.

Section 4.—Sub-section (1) dispenses with the entry by a chemist in his prescription book of the particulars of medicines containing poisons dispensed by him as medical prescriptions issued under the National Health Insurance Acts, as these prescriptions are preserved by the Insurance Authorities, and are available for examination if required by the Authorities.

Sub-section (2) strengthens the provisions of the law with regard to the labelling of poisons. The label must in future state the NAME of the poison (not merely, as previously, the name of the ARTICLE, which might give no indication of the nature of the poison it contained), and, where the poison is only one of the ingredients, the proportion it bears to the other ingredients. An Order-in-Council will be issued describing the particulars to be given as to the proportion.

Section 5 gives statutory sanction to the existing practice in calculating the percentage of a solid ingredient in a liquid preparation. It is the method used in the British Pharmacopoeia.

**PATENT OFFICE STATISTICS.**—The fortieth report of the Comptroller-General of Patents, Designs, and Trade Marks, covering the year 1922 (Stationery Office, 6d.), indicates a profit of £74,074 on the year's working. The total number of applications for patents was 35,494; for the registration of designs, 15,736; and for that of trade-marks, 12,397. The number of substances registered in classes of interest to the drug-trade was: (1), 326; (2), 150; (3), 350; (11), 60; (42), 830; (44), 33; (47), 506; (48), 274.

## Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

### Monday, June 4

*Society of Chemical Industry (London Section)*, Rooms of the Chemical Society, Burlington House, Piccadilly, London, W.; at 8 p.m. Dr. H. S. Hele-Shaw on "The Stream-line Filter, with demonstrations of the filter in operation.

### Wednesday, June 6

*Edinburgh Chemists' Assistants' and Apprentices' Association*.—Botanical excursion to Longniddry. Train from Waverley Station 4.55 p.m. Conductor, Mr. A. Howieson, B.Sc. Those intending to visit Raith Wood on June 13 communicate with secretary by June 6.

*Pharmaceutical Society of Great Britain*, 16 Bloomsbury Square, London, W.C., at 11 a.m. Council meeting.

### Thursday, June 7

*Chemical Society*, Burlington House, Piccadilly, London, W., at 8 p.m. Seven papers will be read.

LONDON (WESTERN) PHARMACISTS' ASSOCIATION will visit the sports ground of S. Maw, Son & Son, Ltd., New Barnet, on June 14. Charabancs will leave Lancaster Gate Tube Station at 2 p.m. Tickets, 4s. each. Early application is necessary to Mr. W. E. D. Shirliff, 66 Goldhawk Road, W.12.

## College Notes

### BATH

THE annual outing of the Bath College of Pharmacy was made to Burnham on May 24. The party proceeded by charabanc via Cheddar, where the famous caves were inspected, Burnham being reached at 5.15 p.m. After tea, ample amusement was found on the sands and promenade, where the fun of the fair, interspersed with donkey rides, proved an attraction. The party proceeded homewards via Blagdon, being greatly entertained en route by the College humorists. The party was accompanied by the principal, Mr. D. J. Williams, B.Sc., Ph.C., F.C.S., and members of the staff.

### MANCHESTER

THE students of the Manchester School of Pharmacy visited the Liverpool laboratories and warehouses of Evans Sons Lescher & Webb, Ltd., on May 10. The party, which numbered over seventy, was divided into four sections. Mr. Sendall and members of the laboratory staff fully explained the details of the various manufacturing processes which were being carried on, and all were impressed by the control by analysis at every stage and the magnitude of the operations. The students were entertained to tea, and the thanks of all were conveyed by the principal, Mr. H. Brindle, B.Sc., Ph.C. The proceedings terminated by Mr. Nicholson, on behalf of the company, wishing the students success in their examinations.

### LIVERPOOL

THE students of the Liverpool School of Pharmacy paid a visit to the laboratories, offices and workshops of Ayrton, Saunders & Co., Ltd., on May 24, being received by the chairman of the directors, Mr. W. H. Saunders, F.C.S. They were divided into parties of ten, and were conducted round by members of the staff. Every part of the new building in Hanover Street was covered, from basement to roof garden, and, while each floor had its own interest, nothing was so much admired as the various operations in the glass-blowing department. One specialist took a piece of glass and with a foot blow-pipe, plus manipulative skill, turned out an all-glass oil atomiser within five minutes. The pharmaceutical laboratories in Duke Street had a special interest to students because of the various processes going on. At the conclusion the students were entertained to tea in the new canteen. A vote of thanks to the company was proposed by Mr. Humphreys Jones, and Mr. Saunders responded.



## Pharmaceutical Botany

### IX. Higher Fungi.—Ergot and Mushroom

THE elaboration of the higher fungi is connected with development of aerial propagation by dust-like spores. Mildew consists of spore heads at the ends of erect hyphae  $\frac{1}{2}$  in. high (*Mucor* and *Aspergillus*), which is sufficient for spreading spores by means of air currents



FIG. 23.—ERGOT OF RYE (*Claviceps purpurea*).

1. Ear of rye showing two sclerotia, s. 2. Germinated sclerotium with stalked stromata, st. 3. Longitudinal section of a stroma. 4. Enlarged portion of same, showing two flask-shaped perithecia with asci, a. 5. Asci enlarged. 6. Ascus liberating spores. 7. Filamentous spores. 8. Sphacelia stage of fungus with conidia being formed by abstriction.

or contact of animals. In the lower fungi sexually produced resting spores are freed by drying up of substratum. In the higher fungi (such as ergot), abandonment of aquatic habit has led to suppression of sexuality and development of complex aerial fructification for production and dissemination of innumerable air-borne spores. Paradoxically, ergot reverses arrangements and conveys conidia in wet instead of dry state (see below) by a kind of insect pollination comparable with flowering plants. The ergot of pharmacy is the winter resting stage of *Claviceps purpurea*, an ascomycetous fungus. This "sclerotium" consists of hyphal threads compacted into a firm curved body containing much oily and nitrogenous reserve material. The fungus itself is parasitic upon rye, barley, wheat, and various other grasses. The three distinct stages of this polymorphous (=many-shaped) fungus are shown in Fig. 23. When the young grass plants begin to flower in spring, the sclerotium also germinates and produces several stalks about an inch long terminating in a rounded head. These heads are dotted all over with the openings of flask-shaped cavities containing asci. The ascospores are exceedingly light filaments, an enormous number being produced by a single grain of ergot. Should a spore be blown on to a grass flower, it grows into a hyphal filament which spreads at the expense of the infected fruit. The investing mycelium produces conidia (by abstriction) at this stage, embedded in sweet liquid or "honey-dew" eaten by flies, who smear the conidia on the next flower they visit and thus quickly spread the fungus. As the growing grain ripens, the loosely woven mycelium grows together and elongates in the characteristic curved shape in time to fall with the ripened rye or other cereal fruits in natural sequence or be threshed with grain after harvesting. Ergot on rye attains a length often double that on other cereals, in which the sclerotium may not project at all. In the mushroom (*Agaricus campestris*) all true sexuality has been lost by degeneration. Its hyphae, penetrating dead

humus, act as roots to supply nutriment to an erect aerial stem of compacted filaments which produces only wind-borne spores. Nuclear fusion occurs in the "basidia" bearing these spores, but is of a vegetative type, and similar nuclear fusions occur in sub-aerial hyphae. The umbrella-like mushroom is a gigantic sporophore which in comparison with lower fungi is in about same ratio as oak-tree to a buttercup. Fig. 24 shows the details of production of spores. Note that gill formation results in greatly increased surface for bearing spores, also protection from rain. A mushroom laid on white paper will imprint radiating lines of gills in spore dust. Despite these myriads of spores, propagation is usually by means of blocks of mycelium in mould called mushroom spawn. It takes some six to seven months to grow mushrooms from spores, and is a very difficult cultural undertaking.

Whereas Algae are devoid of poisonous properties, the Fungi by contrast may be highly toxic to animals. In green plants economy of material is the rule, as these by deriving energy from sunlight can rebuild into plastic substances the degradation products of the living process of oxidation known as "respiration." With Fungi part of the nutrient material is burnt up to supply energy for converting the remainder into living substance. The habits of Fungi in using ready-made food has led to many being wasteful. The yeast plant does not complete the destruction of its food (sugar), but converts it into alcohol. The vinegar plant shows this is only partly used, as it derives its energy for life by oxidising alcohol into acetic acid. Bacteria are extravagant with food material, toxins being excretory products of proteid character. The Fungi (especially the higher types) differ also from Algae in the need for translocation of food material. The latter produce and use the food material on the spot. The formation of a complex spore bearing organs is only possible by ample supply of food material drawn from reserve (ergot) or supplied from substratum (mushroom). Ergot contains alkaloids and amino-acids similar to those in higher plants. These are now believed to be stages in synthesis of proteids and forms in which

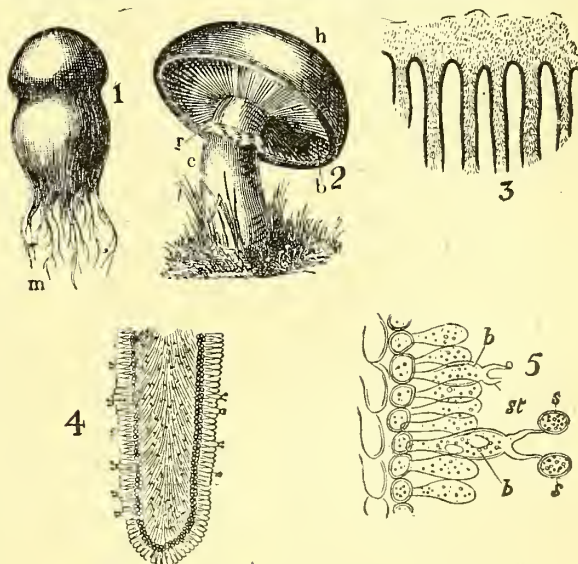


FIG. 24.—MUSHROOM (*Agaricus campestris*).

1. Young fructification, with mycelium, m. 2. Fructification almost mature; c, stalk; r, ring; h, pileus; b, gills. 3. Vertical section through gills or lamellae. 4. Enlarged section of a single gill. 5. Surface or hymenial layer of lamella; b, basidia with spores, s, borne on sterigmata, st.

nitrogenous food material travels from place to place in the plant in the form of glucosides. A point to be remembered in connection with toxicology is that properties poisonous to animals are more or less accidental in character, due to interference with normal processes of life.



## Recent Patents

**Abstracts of specifications of recently-granted British patents for inventions.** The complete specification (is each including postage) can be obtained from the Patent Office, 25, Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

**Chlorination of Acetylene.**—A method which consists in bringing chlorine, acetylene and water vapour in the form of superheated steam into reaction at high temperatures (400°-500° C.), with or without the aid of suitable catalysers. (Holzverkohlungs Industrie A.G. 174,635.)

**Improvements in Thermometers.**—A thermometer in which two contrastingly coloured members, of different widths and spaced apart, are arranged within the walls. One of the coloured members consists of a strip of coloured glass disposed adjacent to the bore and adapted to be covered by the rising mercury. (A. T. Hespe. 196,822.)

**Diamidophenol Compounds.**—A method of preparing diamidophenol tin chloride compounds, consisting in the treatment of 2:4 dinitro phenol with tin and hydrochloric acid and then precipitating. The diamidophenol tin compound is dissolved in water and sulphur dioxide is blown through, producing a compound which has still greater keeping qualities when in solution than the diamidophenol tin compound. (O. King. 196,672.)

**Artificial Resins.**—A process for improving artificial resins obtained by condensation or polymerisation of aldehydes with an alkali (see *C. & D.*, May 26, p. 732). Such resins can be converted into hard resins stable towards water by treating them in a fine state of subdivision with water, especially in the presence of a dilute acid. After this treatment the resins can be again melted and hardened by heating to a high temperature. (Consortium für Elektrochemische Industrie, G.m.b.H. 184,442.)

**Cleaning Composition.**—The formula is as follows:—Whiting, 10 lb.; yellow ochre,  $2\frac{1}{2}$  lb.; Fuller's earth,  $1\frac{1}{2}$  lb.; "common" soda,  $\frac{1}{2}$  lb.; water, 3 lb.; paraffin,  $2\frac{1}{2}$  lb. "Melt" the "common" soda in cold water and add whiting. Bake the Fuller's earth until it is a fine powder, and add sufficient paraffin to saturate it. Saturate the ochre with paraffin. Mix these until a plastic mass is formed. If desired as a powder bake until it becomes dry. To make the liquid form of polish add a sufficient quantity of water. (G. B. Prime. 196,802.)

### GERMAN

**Dental Alloy.**—A substitute for gold alloy in dental work consisting of ninety parts of silver, nine parts of tin and one part of platinum. (Chemische Fabrik E. Jühling & Co. D.R.P. 375,242.)

**Removal of Rust.**—Rust can be removed from iron by immersion in a solution containing 10 per cent. of phosphorous acid and 10 per cent. of formic acid. (G. Kropfhammer. D.R.P. 375,426.)

**Saponaceous Soda.**—A process for preparing soda with an admixture of soap, consisting in spraying through fine apertures oleic acid or palmitic acid on to calcined soda contained in a rotating mixer. (A. Welter. D.R.P. 375,369.)

**Destruction of Plant Pests.**—A method of destroying plant pests, based on the use of  $\beta$ -dinaphthol, or its sodium salt, both possessing a more powerful fungicidal action than formaldehyde or mercuric chloride. (A. Wöber & F. Pichler. D.R.P. 375,415.)

**Aromatic Dimethylamines.**—On treating phenylimino-diacetic acid with salts of the heavy metals, particularly with iron salts, dimethylanilin is obtained. In the place of phenylimino-diacetic acid any of its derivatives with substituted benzol rings may be employed. (Kalle & Co. A.G. D.R.P. 375,463.)

**Stable Acetylsalicylic Acid Tablets.**—Mixtures of equal parts of acetylsalicylic acid and a carbonate of an earthy alkaline metal, e.g., magnesium carbonate, possess a high

degree of stability, even in the tropics, and tablets made of such mixtures are readily soluble in water. (J. A. Wulfiging. D.R.P. 375,181.)

**Concentration of Hydrogen Peroxide Solutions.**—Basing on the fact that tantalum has no catalytic action on solutions of hydrogen peroxide, apparatus made of this metal is employed for the preparation, and also concentration, of solutions of hydrogen peroxide. (Chemische Fabrik Weissenstein G.m.b.H. D.R.P. 374,975.)

**Substitute for Bile.**—In the place of bile in several of its technical applications, emulsions of lecithin and soap, or of lecithin-alcohol-Turkey-red oil, or lecithin and sodium cholate or glycocholate may be employed. Emulsions or solutions containing about 6 grams of lecithin in 1,000 c.c. are stated to possess the same activity as fresh bile. (C. H. Boehringer Sohn. D.R.P. 375,620.)

**Tea Substitute.**—50 kilos. of blackberry leaves are dried in the air at 30° C. for one hour, then rolled for 30 minutes, and moistened with 5,000 c.c. of warm water containing 500 grams of sugar and 30 grams of wine yeast. After again rolling the leaves for 15 minutes, they are placed in moist cloths and allowed to ferment for four hours at 45° C., whereupon they are dried at 100° C. (Chemisch-pharmazeutische A.G. in Bad Homburg. D.R.P. 374,796.)

## Personalities

MR. P. F. ROWSELL, F.C.S., Mayor of Exeter, was one of the speakers at the annual meeting of the Seamen's Mission held in the Guildhall, London, on May 24.

MR. F. A. HOCKING, M.B.E., B.Sc., Ph.C., London Hospital, has been appointed a member of the committee recently set up by the University of London in connection with the institution of a degree in pharmacy.

THE list of honours gazetted on May 25, in connection with the retirement of the ex-Premier, includes a baronetcy for Sir Thomas Jeeves Horder, M.D., F.R.C.P., and a knighthood for Mr. Chichester Gould May, M.D., M.R.C.P.

MR. THOMAS EDMONDSON, chemist and druggist, chairman of Penrith Urban Council, performed the ceremony of opening Penrith Castle Park on May 24. In connection with the celebrations, Mr. and Mrs. Edmondson entertained the school children to tea.

At the recent meeting of the Hartismere Lodge of Freemasons, No. 1663, a presentation, which took the form of a silver tea and coffee service and a silver salver, was made to the Mayor of Eye, W. Bro. E. A. Onyon, P.M., P.P.G.J.D., chemist and druggist, on his resigning the secretaryship of the Lodge after twenty-one years' service.

MISS ELISABETH COFMAN, M.P.S., who has recently obtained the diploma of chimico-farmacista at the University of Rome, is returning to this country after three years' absence, having been appointed chief pharmacist to the Italian Hospital in London. Miss Cofman has been a strong supporter of the National Association of Women Pharmacists from the day of its foundation.

MR. D. C. HAMPSON, chemist and druggist, Leigh, after losing his way in descending Cader Idris during the Whitsuntide holidays, had the misfortune to fall down a slippery slope. He was rescued in an unconscious condition and taken to Dolgelly Hospital.



MISS COFMAN



## Births

Notices for insertion in this column must be properly authenticated.

**BERENS.**—At Innesfree, Walpole Avenue, Chipstead, Surrey, on May 21, Elsie, wife of Herbert Berens (Old Grand Chemical & Trading Co., Ltd., London, E.C.1.), and a son (Dennis Lewis).

## Marriages

**ANDERTON—TYAS.**—At the United Methodist Church, Shepley, on May 24, Willie Anderton, chemist and druggist, second son of Mr. F. Anderton, 67 Beckhill, Butterhaw, Bradford, to Hilda Mary, eldest daughter of Mr. I. Tyas, Rock View, Shepley.

## Deaths

**BRAMPTON.**—At Sudbury, Suffolk, on May 25, Mr. William Samuel Howes Brampton, chemist and druggist, Market Hill, aged sixty-five. Mr. Brampton, who was born in Northamptonshire, went to Sudbury more than forty years ago, and succeeded the late Mr. Oxley. He was one of the founders of the Sudbury Traders' Association, and served as a member of its committee. Mr. Brampton was also at one time captain of the Stour Boat Club, an ardent supporter of the Sudbury Football Club, and an active member of the Literary Institute; in these circles he made many friends, and his death is deeply regretted.

**CASSWELL.**—At his daughter's residence, Southport, on May 20, Mr. Thomas Casswell, after a painful illness. Mr. Casswell, who joined the staff of Johnson & Sons (Manufacturing Chemists), Ltd., Cross Street, London, E.C., in 1879, represented the company throughout England and Scotland from about 1885, and was a well-known personality on the road.

**LAYMAN.**—At Thornton House, Bickley, on May 30, Charlotte, widow of the late Mr. Charles Noel Layman (Wright, Layman & Umney, Ltd., London, S.E.), aged eighty-five.

**MACKERETH.**—Recently, Mr. George Hemsworth Mackereth, chemist and druggist, formerly in business at Ulverston, aged sixty-three.

**MARLOW.**—At his residence, 44 Ronald Street, Clarke-field, Oldham, on May 28, Mr. Thomas Marlow, chemist and druggist, Greenacres Road, aged fifty-two. Mr. Marlow was a native of Oldham, and was at one time an assistant to Mr. J. Hurst, whose pharmacy he subsequently acquired. He had been closely associated with Freemasonry and with various forms of sport for the past thirty years, and had gained the esteem of a wide circle of friends. A widow and a son survive him.

**MARSH.**—At 54 Albert Square, Forest Lane, London, E.15, recently, Mr. William Henry Marsh, chemist and druggist, for twenty-five years in business at 146 Tollington Park, N.

**NEAVE.**—At 3 Beaufort Rest, Bath, on May 21, Mr. Arthur Neave, chemist and druggist, aged seventy-three. Mr. Neave was apprenticed at the pharmacy in Gay Street of which he subsequently became the proprietor. He was connected with the business for more than fifty years.

**VINCE.**—At The Tower, Halton, on May 24, Mr. James Vince, retired chemist and druggist, aged seventy-two. Mr. Vince, who was the son of Mr. George Vince, Lancaster, was educated at the Lancaster Royal Grammar School, and served his apprenticeship to Mr. Wearing, Cheapside. He qualified in 1872, and after further experience commenced business in 1876 in partnership with Mr. Charles Dickinson, on whose death Mr. Vince continued the business as Wearing & Co. He then crossed Cheapside and succeeded Mr. Parker, where he had Mr. John George Dickinson as partner. Mr. Vince was subsequently in partnership with Mr. J. F. Barker,

and had other shops. After Mr. Barker's retirement, Mr. Vince continued, under the title Vince & Co., till three years ago, when he disposed of the business to Mr. A. H. Robertson. Mr. Vince's connection with the Lancaster and District Pharmacists' Association dates back to 1877, when, as the result of a letter from him, the chemists formed the first Association, which lapsed after two years. In 1892 another association was formed, and of this Mr. Vince was Vice-President in 1895. From 1900 to 1907 there was another blank period, and then the Association was revived. Mr. Vince was President from 1911 to 1913, and became the first chairman of the Lancashire Pharmaceutical Committee. His chief hobby was angling, and he was a member of the Lune Fishery Board from 1901 to 1923. He leaves two sons. The funeral at Lancaster Cemetery, on May 28, was largely attended; among those present were the following pharmacists:—Mr. A. H. Robertson, Mr. R. T. Simpson, Mr. J. B. Shattock, Mr. A. T. Maxwell, Mr. H. Troughton, Mr. A. Bate.

**WALWIN.**—At Sunnymede, Barnwood, on May 21, Mr. Walter Walwin, chemist and druggist, aged fifty. Mr. Walwin went to Gloucester twenty-five years ago, and commenced business as a chemist in Southgate Street; he retired a few years since.

**WAKEFIELD.**—At 11 Highfield Road, Edgbaston, on May 24, Mr. John Wakefield, Ph.C., proprietor of Bellamy & Wakefield, chemists, 1 Easy Row, aged sixty-seven. Mr. Wakefield was apprenticed in 1873 to Mr. John Bellamy, then proprietor of the pharmacy in Easy Row. After qualifying in 1879, he entered into partnership with Mr. Bellamy; he passed the Major examination three years later. Store competition was beginning to make itself felt when he went into business, and he quickly met it by issuing Bellamy & Wakefield's first cash price list. At that time the firm's staff of assistants numbered three, but in the course of a few years it had increased to twenty, and a branch was opened at Hagley Road. Mr. Wakefield, whose death was attributed to a bicycle accident (see p. 755), was a prominent member of St. George's Church, Edgbaston, where for thirty-eight years he conducted a men's class. His wife predeceased him, and he left no family. The widespread esteem in which he was held was shown on May 28 by the presence of a large and representative gathering at the funeral service, the first part of which was held in St. George's Church. The vicar (the Rev. Canon H. E. Metcalfe) officiated, and the service was choral; an address was delivered by the Bishop of Birmingham. Among those present were the Dean of the Medical Faculty of Birmingham University, Mr. F. H. Alcock, F.I.C., Ph.C., Mr. J. W. Atkinson, Mr. and Mrs. H. Buckingham, Mr. E. W. Mann, Ph.C., Mr. H. H. Marshall, Mr. Jeffrey Poole, Mr. H. Rigg, Mr. W. Shakespear, Ph.C., Mr. Charles Thompson, Ph.C., and Mrs. Thompson. Several members of the staff of Bellamy & Wakefield were also present, and formed part of the procession to Knowle, where the interment took place. Floral tributes were sent by the Birmingham Pharmaceutical Committee, members of the Birmingham Pharmaceutical Association, the staff of Bellamy & Wakefield, and many personal friends.



MR. J. WAKEFIELD, PH.C.

**MR. HAROLD GOODWIN FLETCHER**, chemist and druggist, Eckington, Derby, who died on March 25, left estate of the gross value of £3,523 0s. 10d., with net personality £3,050 18s. 9d.

**MR. JOSEPH GODDARD**, retired chemist, 11 Whitelaw Road, Chorlton-cum-Hardy, who died on December 24, left estate of the gross value of £6,913 11s. 8d., of which £4,945 11s. 2d. is net personality.



## Trade Notes

**MAJAX** milk food for babies is a preparation made by Mawson & Proctor, Ltd., Newcastle-on-Tyne, who ask chemists to write for terms.

**EXPORT ORDERS FOR ALKALOIDS** can be filled by the Netherland Corporation for Overseas Trade, Ltd., 37 Mark Lane, London, E.C.3.

**BRUNO COURT**, manufacturer of perfumery materials, Grasse, has appointed W. H. Hobbs & Co., Ltd., Trinity Place, Tower Hill, London, E.C.3, sole agents for the United Kingdom.

**BOVO-LACTIN** is the new name for Prottox, which has been adopted by Food Products, Ltd., whose distributing agents are Henry Quelch & Co., 45 Ludgate Square, London, E.C.4.

**RAMEIT PUFFS.**—Furs Unlimited, Kenley, Surrey, whose advertisement appears in this issue, are manufacturers of super puffs. The company has no agents, but deals direct with chemists.

**ANNUAL OUTING.**—Meggeson & Co., Ltd., lozenge manufacturers, New Church Street, Bermondsey, London, S.E.16, inform us that their office and works will be closed on June 2, the occasion of the annual outing.

**"STAR" BRUSHES.**—The Star Brush Co., Ltd., Eden Grove, Holloway, London, N., make a special offer in their advertisement of a sample case of seventy-eight brushes for £1 to chemists taking up the sale of "Star" brushes.

**ASPIRIN TABLETS.**—Evans Sons Lescher & Webb, Ltd., in their advertisement draw attention to the special features of their aspirin tablets. These are rapid disintegration, practical absence of free salicylic acid and handy packages.

**INSULIN BOOKLET.**—Burroughs Wellcome & Co., have issued a daintily produced booklet dealing with the characters and administration of the "Wellcome" brand insulin. The pamphlet is useful to chemists on account of the practical information it contains.

**INSULIN SUPPLY.**—Owing to the increase in the productive capacity of the factories making insulin, the supply is not now subject to the restrictions made by the Medical Research Council. Manufacturers are now able to supply insulin as an ordinary commercial transaction.

**NATURAL MINERAL WATERS.**—Ingram & Royle, Ltd., Bangor Wharf, 45 Belvedere Road, London, S.E.1, announce reductions in the price of Vichy-Célestins, Vichy pastilles and salt, Contrexéville-Pavillon, Evian-Cachat, St. Galmier, Vittel, and Natural Carlsbad Sprudel-salt.

**HOUGHTONS, LTD.**, Ensign House, 88-89 High Holborn, London, W.C.1, have issued a new general catalogue of photographic apparatus and materials for 1923. This is a well-printed work bound in an orange cover, and includes illustrations and current prices of the products of the company's factories and the principal photographic plates and printing papers. It is the most complete price-list for dealers issued by Messrs. Houghtons since 1914.

**MILKAL NURSERY MILK.**—Since we referred to the Milkal nursery milk last week, we have received a sample from J. Lyons & Co., Ltd., Cadby Hall, Kensington, London, W.14. The milk is packed in lever-top tins, attractively decorated in silver and blue. The article is produced in England, and an analysis which accompanies it shows fat 26 per cent., protein 27.17 per cent., and lactose 39.27 per cent., showing that whole milk has been employed in the manufacture.

The Silver Leaf Order of 1923 provides that the occupier of premises on which plum or apple trees are growing shall every year, before July 15, burn the dead wood of every tree. Notice may be served upon such occupier to burn also any wood on which there are "visible fruiting bodies of the fungus, *Stereum purpureum*."

## Westminster Wisdom

By the "C. and D." Parliamentary Representative

### INSURANCE DISPENSING

Mr. Gilbert, on May 30, asked the Minister of Health if he will state what remuneration is paid to chemists under the National Health Insurance Acts for the dispensing of Panel doctors' prescriptions; whether it is proposed to reduce the amounts now paid; whether any conference has taken place recently on the matter; whether he can make any statement on the subject; and can he state how long the present agreement runs for.

Mr. Neville Chamberlain replied that the scale of fees paid to chemists for dispensing insurance prescriptions is set out in the Drug Tariff. This scale was fixed under an agreement which expires at the end of April next, and negotiations for its revision have not yet begun. He is therefore not in a position to make any statement at present as to the revision of the scale.

## Business Changes

**HOPKINS, ELLIS & Co., LTD.**, chemical dealers, have removed to new offices at 107 Fenchurch Street, London, E.C.3. The telephone number is "Avenue, 4089."

**FARROW & Co.**, 87 Borough High Street, London, S.E., have been appointed sole agents for the United Kingdom for Jean Niel Grasse, plant growers and distillers of essential oils.

## Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

R/235. "Alpha" red rubber enemas	B/395. Hogarth's expanding Braces
M/95. Bryant's oxygen tooth paste	B/395. Korkic bottle capping
P/165. Cleft's fluid	W/595. Neufaline
P/265. Dr. Cohn's tonic tea	S/285. Samson honeysuckle syrup
S/235. Dr. Roberts' antacid tablets	B/165. "Tiki" brand New Zealand electric ray oil
M/165. Dr. Warner's (or Warren's) arch support	H/285. "Usitt" powder puff
L/195. Dr. Watson's tonic stout	M/285. Vectis truss
	B/235. Velvetine hair tonic (Palmyra Co.)

### INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4.

Albolene. B/295	Liquor Sanmetto. A/245
Arsamin. M/235	Lucidol. F/305
Contramiae. A/235	Papayans. B/225
Crusador hot water bottle. M/295	Pearce's Golden Medical Discovery. S/235
Cyagol. H/165	Poehl's Sperminum. M/255
Eulan. S/395	Ratin. E/255
Hunt's bottle caps. R/295	Tetrolan. B/256
Kervall toilet soap. W/285	Vermikol. G/295
Lipicidol. A/245	

**TECHNICAL DEFINITIONS.**—The Council of the Silk Association of Great Britain and Ireland has formulated a series of definitions of textiles which claim to be known as "silks." The general principle laid down is that "silk" means the natural product of the silkworm (whether net silk or spun silk), and that silk goods may be qualified as "pure" only if they contain no added weight of any kind other than that essential in dyeing and finishing. The last clause of the definitions reads:—"Certain smallwares containing silk in combination with other fibres (such as Paris bindings, gimps, eye-glass cords, etc.) have been by long-established custom known as 'silks.' Only where there is a clear long-established custom may they continue to be described as 'silk,' otherwise the general principles set forth above will apply."



# Observations and Reflections

By Xrayser II.

## The Amendments

proposed in the House of Lords to the Dangerous Drugs and Poisons (Amendment) Bill were both of them reasonable, which is more than can be said for the "reasons" given for rejecting them. The fact that failure to observe the conditions of a licence "may be" a serious offence and not at all a technical one is no reason why offences that are merely technical should be liable to the same penalties as those which are not; nor is the fact that to give chemists a statutory right to administer these drugs at their discretion is a serious matter and one the doctors would resent a reason why they should be forbidden to drop a little cocaine solution into an injured eye or to relieve an attack of colic by a suitable opiate draught. I have had personal experience of the need of both of these services in circumstances in which there was nobody but a chemist at hand to supply them. We are surely as fit to be trusted in cases of this kind as the average dentist, and the Society, though it does not officially support the amendments referred to, ought at least to use whatever influence it has to secure such a modification of the Regulations as the Earl of Onslow hinted at.

## The Sting

of your article on Licensing Reform is in its tail. There can be no doubt that the great increase in methylated spirit drinking—and in spite of statistics I have seen quoted to the contrary effect, I will add in the use of "dangerous drugs"—is largely due to the prohibitive duty on potable spirits, and the most effective check to it would be the return to a more moderate impost. It is, of course, useless to argue with those who hold that alcohol in all its forms is an evil the use of which ought to be suppressed by every possible means, but governments ought to have sense enough to see that such opinions have no place in practical politics. In legislating for human beings human nature ought to be taken into account, and a craving so all but universal as that for some form of alcoholic stimulant, or its equivalent, is certain to satisfy itself in some way or other. It is certain, however, that the fanatical opposition to even moderate drinking is reflected in our liquor laws, the object of which is by no means entirely the increase of revenue.

## The Apathy

of the trade with regard to the election of the Pharmaceutical Council, upon which I commented last week, is admitted by such pharmacists as I have spoken to about it, and in a manner excused. "It doesn't matter to me," said one of them, "what the Society does." If this feeling is at all generally prevalent I am sorry for the Society. "There is nothing going on just now," said another; "what does it matter who gets in?" This is more understandable, but this, too, is a mistaken attitude. It may not matter much, so far as any particular question is concerned, who gets in just now, but it matters a good deal that the Society should be kept visibly alive and active in all its functions. It matters a good deal that the *personnel* of the Council should be a vital concern to the members of the Society, whose representative the Council is. We have the governments we deserve, and those who take no interest in the election of their governing body deserve the worst they can possibly have. I suppose this late election marks about the lowest point of indifference we have yet reached. It is a bad sign.

## Pharmacy in the United States

a hundred years ago appears to have been pretty much what it was in this country at the same time—at least, as regards the retail section of the trade. Indeed, for half a century or so afterwards the chemist and druggist's business was, here as there, almost as miscellaneous as in 1821. I am interested in the statement quoted from Mr. Troth in your article on the Philadelphia College centenary that in

his youth Glauber's salt was in much greater use than magnesiae sulphas. That it was so here too there is abundant evidence, and (as I have said before) I often wonder how it was that the Epsom salt afterwards obtained the preference. They were originally called respectively Sal Catharticum Glauberi and Sal Catharticum Amarum. The former is the pleasanter to take, and there is little to choose between them as to effect, yet in my early days Glauber's salt had virtually fallen into disuse except as "cattle salts." The puzzling thing is that Rennie seems to speak of it as "very nauseous and revolting in taste," unless he meant the remark to apply to the other. All the six proprietaries adopted by the Philadelphia College in 1821 had a semi-official status here too; they are all in Rennie's Supplement to the Pharmacopœias. He, however, gives castor, not catechu, as the basis of Bateman's Drops, and it certainly seems more in accordance with the intention of the thing.

## Mr. Marshall's Interesting Article

is sufficiently minute and business-like in the information it gives to intending tourists in Italy to be of real value as a guide, but there are two facts he does not mention which on the authority of many recent writers and several personal friends I venture to think important. The first is that in winter one does not see Italian scenery at its best; and it is perhaps significant that Mr. Marshall says comparatively little of the country's scenic attractions. The best seasons of the year in which to see Italy are spring and autumn, and Mr. Freshfield in his "Below the Snow-line" says it is difficult for the lover of scenery to choose between them. He seems almost to prefer autumn, but the general opinion, I should say, inclines to spring. Another point Mr. Marshall omits is that it is often very cold, even in parts of Southern Italy, in the winter, and that Italian houses in general are at that season apt to strike an English visitor as both "cold and comfortable." Mr. Norman Douglas says that Siena in winter is "hell," but, of course, Siena is a hill city. Mr. Marshall asks why Italian churches, as a rule, have not stained-glass windows. The reason lies in the fact that stained glass is peculiarly Gothic, and the Gothic style of architecture was never understood nor practised in its true spirit in Italy. The Romanesque and Byzantine styles had a stronger appeal, in which interior decorations in the form of frescoes, etc., are prominent features (or at least were intended to be), and for the due effect of these light is required.

## Mr. Kendrick's Article

on "Sales Letters" makes me feel quite out of date. It comes to me as a revelation that the supplying of such letters to chemists is an important industry, and I have not to the best of my recollection ever met with a chemist who used them. The directions Mr. Kendrick gives for the writing of them seem in the main sensible enough, but two reflections rather intrigue me. Is it quite legitimate for a chemist to use his "professional standing" as a beating-off ground in a proceeding so absolutely unprofessional as, according to all tradition and precedent, this is; and by what conceivable mode of approach can a letter accompanied by an addressed envelope, a reply card, and an order form be disguised as anything but sheer advertisement? Surely in vain the net is spread in the sight of any bird. The receipt of a monthly letter of this kind would certainly annoy rather than attract a great many people, myself among the number. I fancy, too, that the vicar of my parish would object to the unauthorised use of his name in the way suggested.

**ANALYTICAL STATISTICS.**—In reply to questions at a recent meeting of the Islington Borough Council, the medical officer of health said that twenty prescriptions had been tested analytically of late: nine were found to be inaccurately dispensed, and six prosecutions followed. —The only "drugs" found to be adulterated out of thirty-eight analysed in Southwark (London) during the past year were two samples of borax.



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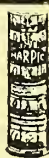
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JUNE 30th, 1923

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## Editorial Articles

## The Dangerous Drugs and Poisons Act, 1923

THE Royal assent was given to the Dangerous Drugs and Poisons (Amendment) Bill on May 17. It is an Act of Parliament which covers other things besides those included in the Dangerous Drugs Act of 1920. The passage through both Houses has been very smooth, and certain alterations were made in the original draft at the suggestion of the Home Secretary acting on information which came from the Pharmaceutical Society. For the purposes of understanding the changes wrought, the Act can best be divided into four sections, (1) that part which affects "dangerous" drugs, (2) that one affecting Section 17 of the Pharmacy Act, 1868, (3) that part affecting the Poisons and Pharmacy Act, 1908, in so far as the calculating of the percentages of poisons is concerned, and (4) a small section which deals with dispensing under the National Health Insurance dispensing and its relation to Section 17 of the Pharmacy Act, 1868. In so far as the Dangerous Drugs Act was concerned the criticism which was brought to bear resulted in a modification of the ferocious penalty liable to be inflicted through inadvertence, but the amount is still too high. On the other parts it appears that there must have been some agreement since the spokesmen for the Home Office always led the Houses to believe that it was on the advice of the Pharmaceutical Society that action was being taken. The salient features of the "Dangerous" Drugs section show that some additional powers have been obtained, including the right of search where there are suspected cases of illegal possession, also the impounding of books, documents, and stocks. An offence against the Act is defined as contravention of any regulation, failure to comply with the conditions of any licence, aiding, abetting, or procuring the commitment of an offence in any place outside of Great Britain. The penalties on indictment are not to exceed £1,000 or penal servitude for ten years or both, or on summary conviction, not exceeding £250 or imprisonment with or without hard labour or both. The Treasury has the right to claim half of the fines in summary conviction if the prosecution is initiated by a Secretary of State or by the Director of Public Prosecutions, while prosecutions on indictment



not be undertaken save by the authority of the Attorney-General or the Public Prosecutor. The penalty for contravention of the regulations is not to exceed £50, far as it relates to the keeping of books and issuing prescriptions, nor can imprisonment be inflicted without the option of a fine, providing that the court is satisfied the contravention was due to inadvertence. Attempts, or solicitation, to commit offences are equally liable to the penalties of the Acts. In the case of a company, where an offence is committed, liability is attached to all the directors unless they can prove it was committed against their will or without their knowledge. Prosecution need not "negative by evidence any authority or other matter of exception or excuse," but the proof is on the person accused if he fails to avail himself of that protection. There is one phrase in the sub-section dealing with a company which is "Where a person convicted of an offence under the Act is a company," if a person and "company" are always been synonymous the history of pharmacy in this country would have been vastly different from what it has been. Section 3 relates to the amendment of Section 17 of the Pharmacy Act, 1868, and provides that poison books need not be signed by a medical man where such purchases are made for the purpose of his profession. This will appear almost unnecessary to those who have not been careful to follow the answers to queries which have been appearing in our columns during the last few months. It has always been understood that the sale to a medical man of any poison was an exception coming within the term wholesale transaction. It was not so treated by the Home Office when the regulations under the Dangerous Drugs Act, 1920, were not required to procure a licence for the sale, but while this freed chemists in one respect it necessitated the recording of the sale in the poisons book and the conditions applying to a sale equally to the medical man and required his signature. A flaw was brought out by the inspectors under the Dangerous Drugs Act, and since the infringement was covered by Section 15 of the Pharmacy Act, 1868, action could lie with any common informer. It was necessary to provide against wholesale prosecutions owing to the anomaly created by the Dangerous Drugs regulations, or compel all who sold to medical men to obtain a wholesaler's licence under those same Regulations. This clause in the amending Act was the result of an understanding with the Pharmaceutical Society. The provisions in this section which must be observed, and as these are new, it is as well to call attention to them. The section provides that the poisons book need not be signed by a medical man where purchases are made for the purpose of his profession, but the following conditions must be fulfilled:—(1) there must be a signed order in writing, giving the name, address, and the quantity of the article ordered; (2) the seller must be reasonably satisfied that the order is genuine; (3) the article, if sent by post, must be by registered post; (4) the seller must enter in the poisons book and in the place of the signature write the words "signed order," giving the date and keep the order for two years. He may execute an order in case of an emergency and get the order afterwards, or as the case may be, but he must obtain this within the next twenty-four hours. If the medical man fails to deliver the order, it becomes an offence under the amendment to Section 17 of the Pharmacy Act, and it would appear that the Pharmaceutical Society will become the prosecutor and penalties will be as under that section. The same provision applies to veterinary surgeons and dentists. Sec-

tion 4 of the amending Act relieves the chemist from the duty of entering prescriptions in his prescription book if they are given under the Medical Benefit provisions of the National Insurance Acts. Hitherto the chemist was liable under Section 15 of the Pharmacy Act, 1868, if he failed to do this, and this modification of Section 17 is in his favour. Incidentally it deals a serious blow to the possibility of retaining the duplicate prescription forms. Sub-section (2) brings in the most important modification so far as Section 17 is affected. This part may be reconstructed as follows:—

It shall be unlawful to sell any person, either by wholesale or retail, unless the box, bottle, vessel, wrapper or cover in which such a poison is contained be distinctly labelled with the name and address of the seller of the poison, and with the name of the poison, and in the case of a preparation which contains as one of the ingredients thereof, with such particulars as to the proportion which the poison contained in the preparation bears to the other ingredients as may be prescribed by Order in Council.

This introduces something new in the sale of preparations, proprietary or otherwise. While it is necessary to await the Order in Council for the precise conditions, it appears to be quite clear that the only way of escape from this provision will be to make the sale of any such thing as a tonic or cough mixture containing a small amount of poison into a prescription and enter it in the prescription book. It is a far-reaching provision, and it seems incomprehensible that so little discussion was raised over it in the meetings of the Pharmaceutical Society's branches and chemists' associations since the Bill came before Parliament. It is clear that the provision will be of considerable value in indicating medicines which contain poison. At the present time it is difficult to say whether certain proprietary medicines are infringements of the Pharmacy Act without a complete analysis. Whether chemists will be satisfied with the price paid or not remains to be seen. Only the part of the Act which refers to the Dangerous Drugs Act affects the Northern part of Ireland. Section 5 deals with the method of estimating the percentages—namely, weight in volume—and this also affects the other poisons in Part 1 of the Schedule. This, as we have frequently pointed out, changes the usual method, and will materially affect the strength of certain preparations. In so far as the Act helps in the elimination of illicit traffic in narcotic drugs, everyone will welcome it in spite of the vindictive penalties which still remain. The extension of the Pharmacy Acts would appear to impose further restrictions on the chemist in carrying on his business. In all restrictive legislation, where technical matters are concerned, there appears to be no effective criticism in Parliament, and those who draft these clauses, which ultimately become law, unfortunately know very little about the practical difficulties in carrying them into effect. The consequence is that in these days we appear to be ruled more by Government Departments than by Parliament, and the price we pay is to be hedged about by restrictions, and for slight oversight in clerical matters render ourselves liable to unjust penalties.

### Chemists' Grievances in the Irish Free State

It was, we suppose, only to be expected that a crop of trade and fiscal problems should spring out of the soil which was disturbed in the recent Anglo-Irish settlement. Many of these may not be found easy of solution, and in regard to all of them it is very necessary, if they are to be speedily and satisfactorily solved, that they should be regarded in a proper perspective. We have recently had brought to our notice the



complaint of a chemist in the Free State as to the disability in which he finds himself as regards his supplies of ether and chloroform which it has been his custom to obtain from this country. Drawback, he complains, is not allowed on the exportation of these goods from England to the Irish Free State, and, as they are liable to the Irish Customs duty on importation there, it results that by the time they reach his hands they will, he states, have been charged duty twice over—a condition of things which, in the present high rates of duty, would amount to a virtual prohibition of their finding a market. On such a state of facts there would be an undoubted grievance, for which a direct remedy would be difficult to find. But in fact such a condition of things must be quite exceptional. Although for making some of the finer qualities of ether and chloroform used in medicine duty-paid ethylic alcohol is used, the great bulk of the ether and chloroform in use is made with industrial methylated spirits or acetone, upon which, of course, no duty is paid in Great Britain, and which consequently cannot claim to be allowed drawback. As to the undoubtedly equitable claim that where duty-paid spirits are actually used provision ought to be made for remission or repayment of the duty, the difficulty of allowing this appears to be that distinguishing ether or chloroform made with the one kind of spirits from the same article made with the other kind is found to be a matter involving such processes as to make the provision from a revenue standpoint impracticable. On the other hand, where duty-paid spirits of wine are mixed under the official regulations in presence of an officer of Customs and Excise with the required proportions of ether or chloroform, drawback of the duty is repaid to the manufacturing chemist making and exporting such spirits of ether or chloroform. The position as regards methylated spirits in the Irish Free State is also, we are informed, unsatisfactory. Up to the present spirits have not been methylated within the Free State, and on imported methylated spirits a duty of 76s. 4½d. per gallon has to be paid. It is clear that subject to such a high tariff a hat dye made with the spirit cannot be expected to compete successfully with an article in which spirit is not the solvent used in the course of its manufacture, and which is consequently admitted duty-free into the Free State as well as into Great Britain. But while it is clear that such a state of things calls for a remedy, we have to keep in mind the fact that the position as regards imported methylated spirits is just the same in Great Britain as in the Irish Free State. They are liable to duty as "spirits" under the definition of spirits adopted by our Customs Consolidation Act. No grievance is felt here over the operation of the law, as provision is made for the making duty-free in this country of any methylated spirits required, and this is availed of to the extent required by the market. There is nothing as the law stands to prevent the like course being adopted in the Free State, and any methylated spirits wanted being made free of duty in a bonded warehouse or by an authorised methylator. This seems such a natural solution of this particular item of grievance that we may hope it will in time commend itself to the acceptance of those whose province it is to devise a remedy for the trouble. Pending the satisfactory removal of the grievances generally, which were perhaps inevitable in the special circumstances, traders are at all events entitled to have the sympathetic assistance of the authorities in their endeavours to comply with the law.

## Pharmacy Reform in Rumania

SINCE the cessation of hostilities the economic position of the Rumanian pharmacist has materially deteriorated and the members of the profession have suffered greatly in consequence of numerous abuses which have been permitted to flourish unchecked. The incorporation of territories in which formerly the Austrian, Russian, and Hungarian system of pharmacy was in force, and regulations clashing with those embodied in the Rumanian laws, has been a fruitful source of trouble in the way of unification, although the Hungarian pharmacists at an early date decided to collaborate with their Rumanian confrères and new fellow-citizens in Greater Rumania. Three years ago it was decided to permit the opening of a very large number of new pharmacies, but conditions have by no means improved; on the contrary, the *Comisiunea Chimico-Farmaceutica* (the advisory body for pharmaceutical matters attached to the department of health) now insists on the introduction of a new pharmacy law. In a memorandum to the government, the Commission points out that it is empowered only to advise on matters submitted to it for consideration. At the same time, however, the board of health is also called upon to give its opinion on the very same subjects, with the result that the work of the Commission is futile. It costs the state 1,000 lei for each meeting. Further, the department is overwhelmed with other work, and there has no time to deal with pharmaceutical matters. The present position of pharmacy and the sale of medicines in Greater Rumania imperatively demand attention from an economic point of view, and also in the interest of the public health. The present pharmacy law, now in force for thirty years, is out of date, and requires to be remodelled. Several pharmacies, it is stated, are worked without any qualified personnel, and are a positive danger to the community. Chaotic conditions prevail, particularly in Bessarabia, where a rigid supervision should immediately be instituted. There are in Greater Rumania a large number of drug stores which secretly do an illicit trade in medicines, while many unqualified persons dispense opium and cocaine. Licences are freely granted for inferior proprietary medicines which might be compounded in any pharmacy on a doctor's prescription, and are sold at abnormally high prices by the aid of advertising. The country is also being flooded with unlicensed specialties. In view of the prevailing untenable position, the Commission declines to accept further responsibility, and demands that a bill be presented to the parliament without delay. The decided attitude adopted by the advisory Commission has had the desired effect, and the director of the health department has signed a decree suspending the issue of further "concessions" to open new pharmacies until the proposed new law is passed. At the same time a commission has been appointed to draw up a new pharmacy law, the final text of which is to be submitted to parliament after it has been examined by representatives of the pharmaceutical profession approved by the health department in the ministry of the Interior. In this connection it is interesting to note that Greater Rumania, with a population of 17,000,000 souls, now counts over 1,000 pharmacies. At the outbreak of the war the kingdom, with a population of 7,200,000, had 256 public pharmacies. (In 1920 "concessions" were open 161 new businesses were issued for competition.) Territories ceded by Hungary—Transylvania and Banat—included 493 pharmacies, while the Bukovina contributed 41 and Bessarabia about 109 businesses.



## Entrenching Officialdom

SHALL never give you costs against a public body" the remark of the chairman of the Hampstead Magistrates when Mr. R. L. Parry, counsel for Parke's Stores, Ltd., applied for costs in a case in which the company was wrongfully accused with defective dissolving. Such a remark does little credit to the intelligence of the bench, one of whose chief functions is to protect the public against wrongful actions of public officials. Mr. Bridgeman, the Home Secretary, was lately brought to book by the law courts for illegally detaining subjects of the Crown, and just as the judges protect the public from wrongful acts of Government departments, so magistrates are expected to protect the public from incompetent officers of municipal authorities. Instead of doing this, the chairman of the Hampstead Magistrates considers it his duty to "protect" officials who at least have caused a grave miscarriage of justice. Parke's Stores, Ltd., were charged with supplying a bismuth mixture which was alleged to be deficient in bismuth content. The company vigorously defended itself and after a large expenditure of money was able to prove that the mixture was dispensed in a marvellously accurate manner. The case was dismissed, and it was only then that the chairman of the magistrates made the curiously inept remark with which this article begins. There is not the slightest doubt that if the case had been properly defended the company would have been acquitted, as has happened in similar cases at the Hampstead Police Court. In this country the respect which the law is held in is due to the fact that its administrators are looked upon as bulwarks of British liberties. We hope that the Lord Chancellor will be informed of the attitude of the Hampstead magistrate, and that he will sharply remind that person of his duties in the conspicuous position in which he has been placed.

## Explosives Act Report

THE forty-seventh annual report of the Inspectors of Explosives, covering the year 1922, has just been issued (No. 1862: Stationery Office, 6d.). The total number of factories certificated or licenced is now 110. For the first time in the history of the manufacture of explosives in this country, no fatal accident has occurred during the year in a factory established under the Explosives Act. Accidents have occurred in other places, including one in the East End drug-store (C. & D., 11., 1922, p. 654). Under the heading "Miscellaneous Accidents," the report mentions an explosion, resulting in the death of one man, at the Bromborough colour works of Brotherton & Co., Ltd.; the accident occurred during the grinding of picramic acid. The Government chemical advisers, Messrs. F. H. and P. V. Dupré, examined 357 samples during the year, 42 being adversely reported upon; it is recorded, in this connection, that twelve samples of new explosives passed the official tests, and three others the preliminary examination.

## Retail Pharmacists' Union

THE second annual meeting of the Leeds Branch of the Retail Pharmacists' Union took place on May 25, 1923, Mr. H. Gillegham presiding. The annual report, presented by Mr. A. W. Lupton (secretary) showed that the membership now numbered eighty-two. Mr. F. G. M. Lyle presented a balance-sheet showing an income of £75. 6d. and a balance in hand of £3 10s. 9d. The chairman and others commented on the remarkably large number of subscriptions for the past year which were unpaid, and it was decided that the Council should consider the matter. On the motion of the chairman, Mr. E. Murray was elected *Chairman* for the ensuing year. Mr. Murray, taking the chair, said they in Leeds looked very hopefully to the future of the R.P.U., although there were certain matters in the R.P.U. which they in the North did not at present agree. References had been made, at the meeting of the Leeds

Chemists' Association held earlier that evening, to the Press "stunt" against Insurance dispensing. There was another Press "stunt" about State dispensing. He believed the friendly societies' motives were purely selfish. State medical service was a very different proposition in its seriousness, because it was one likely to appeal considerably to Parliament. It was an idea which would seem to Parliament to give them more control over the medical service, and he thought it was a matter on which the chemists were going to have a greater fight than on this hot air of the friendly societies. Mr. N. N. Armitage was elected *Vice-Chairman*; Mr. A. W. Lupton, re-elected *Hon. Secretary*; Mr. F. Midgley, *Treasurer*; and Messrs. W. Eaddie, T. Shooter, and H. Gillegham were added to the *Council*. Mr. J. Hayes was re-elected *Auditor*. Mr. J. Hayes proposed a resolution urging the R.P.U. headquarters to supply, in respect of future conferences, the agenda at least fourteen days prior to the conference, to the secretary and delegates of each local branch. The chairman said that had already been decided on by the conference. Mr. Gillegham supported Mr. Hayes, contending that a resolution would show that the branches were demanding this to be done, and the resolution was carried.

## DELEGATE'S REPORT

Mr. Murray, as delegate to the London Conference, gave his report. He said he was considerably disgusted with the conference. They had learned little or nothing, and they had to listen to a lot of "hot air." If there was one outstanding fault it was, in his opinion, that too much of the talking was left to permanent officials. The meeting was very representative of the craft of the country, and there were some fine speakers there if they had had a chance of speaking on matters of importance. The meeting was very enthusiastic, and he fancied more good was done in personal conversations before and after the meeting and at the dinner than at the meeting itself. Of course, it had to be remembered that the R.P.U. was only in its infancy, and there was every prospect that it would be immensely valuable. As delegate he had gone with no definite instructions from Leeds, and he had, using his own discretion, voted chiefly with the majority. It had struck him as being wrong that, in several instances, a delegate was allowed to withdraw a proposition sent up by his branch. These little matters, he hoped, would be avoided in future conferences. There were things the R.P.U. had to learn, and it was up to the branches to help. More recently he had attended as a delegate at the sectional Council meeting at Newcastle, which was an excellent meeting. Mr. Gillegham was elected chairman, and there was a great deal of important work got through. Mr. Murray thought that the Newcastle meeting constituted two of the most crowded hours of organisation work that he had ever experienced. The only thing the R.P.U. needed now was the full and enthusiastic support of every member in the craft, and it was not yet getting it in Leeds. If the subscription were 50s. instead of 5s. every member would get more than his money's worth. Great work was being done at the headquarters in London. Mr. Gillegham said as a fellow delegate to the London meeting of the R.P.U. he could not let Mr. Murray's remarks go unchallenged; the meeting was not really so thin as Mr. Murray suggested. Nine-tenths of the matters involved in the resolutions from branches had already been dealt with by the Executive beforehand. The trouble, therefore, was that there was nothing new. It reflected great credit on the Executive that it was original and active enough to deal with so many things on its own account, whilst remaining ready to receive anything the branches wished to bring forward. Mr. Gillegham said he really could not agree with Mr. Murray in his disappointment with the conference, and he thought it had been quite a useful gathering. He was sufficiently satisfied with it to propose that the delegate from the Leeds branch who went in addition to himself as a member of the Executive should be paid a fee of a guinea, in addition to railway fares, which were paid by headquarters. Mr. Murray said he was not prepared to accept that fee himself, but he quite agreed that it was desirable for future delegates. The proposition was carried unanimously, and the meeting ended.



## Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Local Reports

#### ENGLAND AND WALES

**Hampshire.**—A meeting of the Pharmaceutical Committee was held at Southampton on May 16, Mr. Baker (Cosham) in the chair. The names of six chemists had been added to the panel, and two chemists had resigned. As a result of the recent conference between the Committee and the Medical Benefit Sub-Committee the triplicate prescription forms had been retained and some concessions secured on the introduction of the South West Formulary. It was unanimously resolved to request the secretary of the Retail Pharmacists' Union to undertake the duties of returning officer at the forthcoming election, and the secretary was instructed to endeavour to obtain representation on the new Committee of those parts of the county at present not directly represented.

**London.**—The Insurance Committee met on May 24, Mr. Thomas (chairman) presiding. The Finance Sub-Committee recommended the payment of accounts amounting to £22,397 9s. 9d. The payments to chemists amounted to £17,646 1s. The accounts were passed. The Pharmaceutical Service Sub-Committee reported an unreasonable delay on the part of a firm of chemists in dispensing a prescription and that they refused to return it to the insured person so that he might take it elsewhere. Complaint was also made of the manner in which the wool and lint ordered was supplied. The Committee were unable to regard the supplying of the goods unwrapped as consistent with the standard which, in their opinion, should be adhered to in a well-conducted pharmacy. The time spent by the insured person in the chemist's shop was not unduly long. In connection with a case in which an insured person alleged that medicine supplied to him by a chemist was not in accordance with the prescription, a portion of the mixture had been analysed, and the analyst's report disclosed that it was not dispensed as prescribed. They were of opinion that there was a certain amount of carelessness on the part of the chemist. The difficult circumstances under which he was working at the time were, no doubt, responsible for the error, but they thought the chemist should be censured for his conduct. An insured person, the Sub-Committee reported, alleged that he was supplied with a less of quantity of lotion than ordered for him. As the insured person was, without difficulty, able to obtain from the chemists concerned the deficiency in the quantity of the lotion supplied, no further action was deemed necessary. Representations having been made that the medicines of a certain firm were "usually weaker than those dispensed by other chemists in the neighbourhood," it was decided to test the dispensing of the firm. Six tests were made. In the first sample only about 60 per cent. of the prescribed quantities of bromide of potassium and ammonium carbonate were present, while the nux vomica was entirely omitted. In the second sample the quantity of ammonium chloride present was about 50 per cent. deficient, and the tinct. chlorof. et morph. was entirely absent. In the third sample about 60 per cent. of the solution of perchloride of iron and 50 per cent. of the glycerin were present. The strychnine was omitted entirely. In the fourth sample the solution of iron and the glycerin were in excess, but only 60 per cent. of the strychnine was present. The fifth sample contained about 30 per cent. of the prescribed quantity of bromide of potassium, and only 25 per cent. of the nux vomica. The sixth sample contained about 70 per cent. of the bicarbonate of soda, and only 50 per cent. of the salicylate of soda. The superintendent chemist, in extenuation, claimed that the number of prescriptions dispensed at this shop is very large, and that these mistakes must have occurred during the pressure of work in the busiest hours of the day. They did not think that the explanation offered to be an adequate excuse for the very serious deficiencies in some cases, and the total absence in others of the essential ingredients of the prescriptions revealed by the analyst's report. They were of opinion that the continuance on the

panel of the firm referred to would be prejudicial to the efficiency of the pharmaceutical service; that a representation to this effect be made to the Minister of Health—adopted. In the case of an allegation by an insured person that an insurance chemist charged her fees in respect of drugs supplied, they were of opinion that the chemist had committed a breach of the terms of service, and recommended that he be required to refund the amount charged to the insured person. The various recommendations were adopted.

**Surrey.**—A meeting of the Insurance Committee was held on May 30, at which the reports of the various sub-committees were presented. The Medical Benefit Sub-Committee reported that six chemists had joined the panel. There was one resignation. The following drugs and appliances were recommended for addition to the list contained in the schedule to the distribution scheme: Colloidal preparations (for hypodermic, intramuscular or intravenous injection), emetine or salts of emetine (for hypodermic or intravenous injection), ethyl chloride, glandular preparations (for hypodermic or intramuscular injection), insulin, oxygen, peptone preparations (for hypodermic or intravenous injection), elastic web bandages. The following paragraphs will be substituted for the paragraphs dealing with the supply of these drugs:—

Supply articles in the list to the patient direct, in which case he should render a claim to the Insurance Committee on the official prescription form, attaching any relevant receipted bill or account. The Committee will then send the claim to the Pricing Bureau for scrutiny; or Order the articles from a chemist on a prescription form in the ordinary way. This arrangement applies to drugs, etc., already included in the list, as well as to the additions specified above.

At the last meeting (*C. & D.*, April 7, p. 489), the Sub-Committee reported that the clerk had been instructed to ask the Ministry of Health to state the nature of the assistance that the furnishing of the number of prescriptions will be to the chemists concerned. In reply, the Ministry stated that there was nothing to add to the circular letter. The County Pharmaceutical Committee, however, replied that on the old account form the total prescriptions were added up and the Pricing Office stated if this number was correct or otherwise, while in the new form there is no addition, and the chemist has no means of checking his payment with the number of prescriptions. The County Panel Committee has recently issued a new Pharmacopoeia, and the Sub-Committee received a communication from the County Pharmaceutical Committee complaining that they had not been consulted before the book was issued, and making various suggestions in regard to some of the medicines. The Sub-Committee hopes that on another occasion the County Panel Committee will consult with the County Pharmaceutical Committee and the Insurance Committee before issuing a new formulary. Advance payments to practitioners in respect of the second quarter of 2s. 2d. per insured person on the list at April 1, 1923, for treatment, and 6d. for dispensing, will be made at the end of the quarter. The Financial and General Purposes Sub-Committee received the auditor's report as to the accounts of the Joint Committee for Pricing Prescriptions. The auditor complains that many doctors do not give the address of the insured person when writing the prescription. In the statement of accounts February and March balances were £1,556 10s. 6d. on April 18 and £1,672 1s. 10d. on May 16. Pharmaceutical Committee deductions at the same periods were £38 18s. 6d. and £42 9s.

#### SCOTLAND

**Stirling.**—At a meeting of the Insurance Committee on May 26, a communication from the County of Renfrew Insurance Committee was read, desiring to know if the Committee had abolished the practice of consulting by practitioners in chemists' shops. The Clerk explained that he was only aware of one instance of consulting in a chemist's shop, and that as there were no other chemists in the village the Pharmaceutical Society had raised no objection. During 1922 a sum of £2,955 8s. 4d. had been paid for dispensing.



## Swiss Attack on Opium Convention

Switzerland has frequently been drawn to the anomalous position created by the Swiss Government's delay in ratifying the Hague Opium Convention, while the League of Nations, in session on Swiss soil, is engaged in discussing the suppression of illicit trade in narcotics. This delay in giving effect to the resolutions of the Convention is partly attributable to the fact that to enforce these resolutions would require an amendment to the federal constitution, since legislation dealing with medical and pharmaceutical matters can be passed only by the separate cantons, and in these questions the federal authorities have no jurisdiction; only the medical and pharmaceutical education, and diploma, being federal in character, *i.e.*, based on one standard and recognised throughout the territory of the Swiss Confederation. Some time ago the federal department of health appointed a commission to draft a bill to regulate the traffic in narcotics (cf. *D. L.*, 1922, index folio 377), but for over a year nothing further has transpired. Recent comments in the Swiss and foreign press are apparently responsible for a recent attack on the Hague Opium Convention, and initially on Great Britain, which appeared in a recent issue of the "*Basler Nachrichten*," one of the leading Swiss daily papers, of which the more forceful remarks are given in the following abstract. The article begins by referring to Sir Francis Aglen's views on the use of opium in China, as published in "*The Times*," of April 5. The author then continues: In considering the question whether Switzerland should sacrifice her alkaloidal industry—for she would follow ratification of the Hague Convention, and its drastic restrictions on exports—the fact must not be lost sight of that, in contradistinction to smoking opium, which is used only as an intoxicant, morphine is an indispensable remedy in modern materia medica. All experts are agreed that the sale of morphine and opiates in Switzerland requires strict supervision, in order to protect her own citizens from becoming drug addicts. This system of control, however, is not embodied in the Hague Convention, it can only be secured by internal laws, and in this respect it is a matter of indifference whether Switzerland ratifies the agreement or not. Supervision is imperative, but is Switzerland in a position to sacrifice the manufacture of alkaloids—we repeat that ratification of the Hague Convention would entail a cessation of exports—to renounce even this small part of her national prosperity, merely in order to assist the Chinese treasury? On her usual circumspection Switzerland has delayed ratifying the Hague Convention in order to learn from the experiences of other countries, and since she is not a signatory to the Versailles treaty, she is in a position to wait a little longer before coming to a decision. It is very evident to anybody who closely follows the English and American press utterances that the Opium Convention is nearing a painless end quite unaided, and the vociferous propaganda now being undertaken on its behalf is designed merely to mask the weakness of its position. It is true that England's participation in the Hague Convention has thrown dust in many people's eyes. In Canton, on the small island of Macao, a large plant for the manufacture of smoking opium has been in operation for over a century, licensed by the Portuguese Government, to which it pays several million dollars for its privilege. China has frequently protested against the existence of this opium factory, the products of which enter her provinces by various devious channels, and Portugal with her handful of soldiers manning antiquated forts in the Praya of Macao would never have resisted China's protests had not the historical protector of Portugal—England—been able to defend her protégée against the demand of the Chinese Government. Those, pointing to England, condemn Switzerland's attitude towards the Hague Convention as being immoral, should be given an opportunity to throw a glance at the busy Macao opium factory. Everybody acquainted with the situation knows that if one day Macao's privileges were to be attacked, to-morrow the British warship with soldiers in white jackets from Hong Kong

would appear, to teach any mischief-maker that behind Macao, and behind Portugal, stands the invincible sea power of England. Although the world may have now forgotten that wealthy Hong Kong is to-day a British possession as a result of the Opium War of 1842-1850—the booty of the war fought by England to maintain India's opium trade—the continued existence of Macao with its opium dens should cause it to ponder over the ultimate aims of the British Government. The following facts should also give the unbiassed reader cause for reflection: In British India trade in opium is a State monopoly, and the revenue derived from this source forms the fourth largest item in the Indian budget. The Indian Government assists the cultivation of poppies by lending money without interest, and the opium obtained must be delivered to the Government, which pays a fixed price. At the Hague Conference, in 1912, Sir William Meyer, the British representative, stated that 230,000,000 people in India consume about 420,000 kilograms of opium. It follows that the consumption of narcotics is large enough to induce the British and Indian Governments first of all to enforce at home the provisions of the Hague Convention. But since they have no intention of doing this, the Opium Commission in Geneva invented the term "*usage légitime*," and applied this formula to the use of opium in India! Holland, too, holds a government monopoly of opium in the Dutch East Indies and prepares opium in a State factory in Batavia, which it distributes through official channels to the natives. France, also, claimed an exception in favour of Indo-China, where State "*opium shops*" have since been opened, and the imports of Indian opium into Indo-China are said to amount to 3,000 cases, or 180,000 kilograms. It is necessary to emphasise the fact that the conferences in the Hague were held in order to suppress the misuse of narcotics in Asia, but by means of a skilful press propaganda it has been possible gradually to deflect public attention from opium and to throw the whole blame on the alkaloid industry. The great colonial powers have succeeded in protecting their financial interests by reservations, and have been able to mobilise public opinion against an industry, the scientific achievements of which used to be deemed a legitimate cause for pride. The author concludes by stating that "*the manufacture of alkaloids in Switzerland, with its auxiliary industries, gives employment to hundreds of workers, and is, de facto, a refining process, since it does not add a single gram to the world's stock of opium products. It would be eminently desirable to restrict the cultivation of opium in Asia and thereby reduce throughout the world the manufacture of opium products. So long as the source of supply of opium products is not controlled, Switzerland has no cause, just at this juncture, to sacrifice a branch of industry which is so indispensable to her welfare and thereby increase her army of unemployed, and she will carefully examine the motives prompting the expressions of moral indignation uttered by others before accepting them at their face value.*" If it is interesting to note that the official journal of the Swiss Pharmaceutical Association reproduces this article in a prominent position in its issue of May 24, without comment.

AMONG the University of Oxford grants approved by Congregation on May 29 are the following:—Pharmacology, £200; chemistry (Waynflete), £2,500; chemistry (Dr. Lee's), £1,250; bio-chemistry, £350; physics (Wykeham), £2,000.

THE CHEMIST AND DRUGGIST has been giving us some excellent articles on "*Testing Dispensing*," which have added materially to knowledge of what can be reasonably expected. Those who have read and studied these articles, and are concerned not so much with individual cases, but with general principles, owe a debt of gratitude to the Editor for having so freely ventilated the subject. We can afford to ignore officials who resent the slightest criticism of their methods, and by doing so bring their organisation into contempt. Fortunately for us, there are papers and persons who do not care two straws what individuals or executives think so long as truth is ventilated.—"*The Script*."



## South African Patent Medicine Tax

As already notified in the *C. & D.* (May 12, p. 653), the original proposals for the taxation of patent medicines by stamping have been considerably modified, and in the case of toilet articles, dropped altogether. The import duties, however, on the latter (as will be seen below) have been increased from 25 per cent. to 40 per cent. The stamping of patents and proprietary medicines devolves on the retailer and is regarded as a most undesirable arrangement. The duties which are now operative on imported or Union-manufactured patent and proprietary medicines are as follows:—

Article	Rate of Ex- cise Duty
Patent or proprietary medicines sold or exposed for sale by retail; when the retail selling price of the packet, box, bottle, pot, phial or other enclosure, with its contents, but exclusive of the excise duty, does not exceed—	
s. d.	£ s. d.
1 6 .. .. .	0 0 2
2 0 .. .. .	0 0 3
2 6 .. .. .	0 0 4
4 0 .. .. .	0 0 6
6 0 .. .. .	0 1 0
10 0 .. .. .	0 1 6
20 0 .. .. .	0 4 6
50 0 .. .. .	0 10 0
over 50 0 .. ..	1 0 0

*Note.*—"Patent or proprietary medicine" shall mean any medicine—

(a) protected in the Union under current Letters Patent; or

(b) prepared or purporting or professed to have been prepared from some secret formula; or

(c) prepared or purporting or professed to have been prepared by some secret or occult art, whether or not the formula is or is professed to be secret; or

(d) sold under a name or trade mark registered specially in regard thereto; or

(e) sold under any description which, by reason of the use of the possessive case or otherwise, implies or indicates proprietary rights; or

(f) prepared for sale as an article of commerce, and not specially prepared or supplied in accordance with the prescription of a medical practitioner in respect of the purchaser or a member of his family or other person in his charge;

Provided that the term "Patent or proprietary medicine" shall not include any medicine mentioned in the edition of the British Pharmacopoeia at the time being in force in the Union under the Medical and Pharmacy laws or in the British Pharmaceutical Codex or any official supplement thereto, or to any mixture of medicines so mentioned, when such medicine or mixture is not held out or recommended in the label or in any printed or other matter on or accompanying the container or package, and is not otherwise advertised to the public as a cure or remedy for any disease or disorder in man, and when in the case of a medicine it is sold under the name mentioned in the British Pharmacopoeia or British Pharmaceutical Codex or in the case of a mixture its composition is stated on the label of the container or package.

Provided further that the term "Patent or proprietary medicine" shall not include such other medicines as the Minister may from time to time notify by notice in the "Gazette."

"Medicine" shall mean any drug or other substance (other than vaccines, sera, toxins, and substances of a like nature, and the so-called "Dutch medicines") used or intended to be used, whether internally, externally, or by injection, inhalation, or otherwise, for the prevention, relief or cure of any disease or disorder in man.

The Customs schedule dealing with the increased import duties on prepared spirit and toilet articles is as follows:—

Article	Present Duty	Rebate	Proposed Duty	Rebate	In- crease
44. Spirits:—	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
(a) Perfumed—per Imperial gallon	1 19 0 and in addition 10 per cent. <i>ad val.</i>	nil	1 19 0 and in addition 25 per cent. <i>ad val.</i>	nil	15s. 6d. <i>ad</i>
52.					
(1) Perfumery, including toilet preparations, non-spirituous; viz., powders, washes, pomatums, cosmetics, pastes, dyes, hair oils, and other preparations for toilet use, but not including tooth powders, tooth pastes, and tooth washes; not elsewhere enumerated, per £100 ..	25 0 0	3 0 0	40 0 0	3 0 0	15s.

The following report of the proceedings in the House of Assembly, on May 3, is from the "Cape Times":—"Cape Argus":—

### PATENT MEDICINE TAX

On Part II., Excise duties, patent or proprietary medicines sold or exposed for sale by retail.

Mr. P. G. W. Grobler (Nat.) moved to omit "by retail" and substitute "such Excise duties shall be paid only the importer or the manufacturer in the Union, as case may be." This, he said, would greatly facilitate collection of the tax, as to-day the small shopkeepers the rural districts would be considerably handicapped through not knowing exactly what the amount of the tax, and on which particular medicines it was to be levied, argued that the revenue which would be derived under proposal would not be less than it would be under Minister's proposals. Mr. Alberts (Nat.) moved to delete the words "proprietary and patent medicines" from schedule.

Mr. Burton expressed himself unable to accept the amendments. Regarding Mr. Grobler's amendment, he pointed out that a number of deputations from chemists had him, and although he had been unable to meet all representations made, the mode of collection of the tax as proposed by him was that which had been agreed in conference between chemists and the Medical Officer of Health. As a matter of fact, quite 75 per cent. of patent medicines sold in South Africa were actually manufactured here, and consequently it would be impossible to collect the Excise through the Customs. Chemists had agreed on the settled modification which had been arrived at after full discussion. To impose a tax the imports was an extremely unsatisfactory matter. It would be a most difficult matter and very much in violation the chemists themselves. Great trouble had been taken to modify not only the method of collection but the scope of the definition.

Mr. Roux (Nat.) regretted the Minister's insistence to tax medicines, which should have been the last thing of the kind to be taxed, as they were used to improve the lot of mankind.

Mr. Madeley (Lab.) asked whether the Minister could delete the words "exposed for sale"; the chemist to stock his shop with many "idle" medicines, which meant "idle" money. Could the articles not be taxed as they were sold over the counter?

Mr. Burton said that stamping the articles when they were sold had been discussed with the representative chemists' deputation which met him; they were satisfied with the articles being stamped when exposed for sale.

Mr. Fitchat (S.A.P.) asked what the meaning was of the words "exposed for sale."

Mr. Burton: "Exposed for sale in his licensed premises I take it."

Mr. Waterston (Lab.) said that he had personally visited a chemist's shop to find out exactly what household commodities were being hit by this tax. To his astonishment, he found it was not quite as great a hardship



thought it was. The Minister had under this item tooth powders, tooth paste and tooth washes, and that these were household necessities. He would put it to the Minister that he ought also to exclude articles as teething powders and gripe-water, which used largely by the poorer sections of the community. He was bound to say that this tax was not hitting the man to the extent that he had previously thought.

Mr. Burton said that the amendment suggested by the member was one that they could consider when the Bill before the House, if he wanted to propose any exemption or rebate. If the hon. member knew a number of remedies, and asked him to make an exemption in favour, he (Mr. Burton) would recommend him to do the matter with his next-door neighbour (Dr. H. H. H.). He thought the hon. member would then get excellent advice as to whether the Government was or wrong in taxing these things. He imagined the member would not find that any doctor would recommend them. If any of these favourite remedies were simply "Gripe-water, so much," it would not have to be taxed. It would simply profess to be an ordinary household remedy. The new definition would practically do all these ordinary, and, he hoped, harmless, household remedies. They would not fall under the tax, and he would still be able to enjoy them to the full extent.

Mr. Alberts' amendment was negatived by 60 votes to 36.

#### "EXPOSED FOR SALE."

Mr. Madeley (Lab.) moved to omit the words "or exposed for sale."

Mr. Boydell (Lab.) supported this amendment. He said the chemists wanted a definition of "exposed for sale." It would be a great injustice to the chemists to stamp everything they had got within the four of their premises.

Mr. Nathan (S.A.P.) also supported the amendment.

Mr. Burton said that the appropriate time to deal with this point would be when the Bill was before the House. He did not possibly accept the amendment. If they were to say that only the things in the window should be stamped they would open the way to the dishonest to stamp the bottle in the window, and sell unstamped things he had at the back.

Mr. Wilcocks (Nat.) supported the amendment, and dwelt on the inconvenience caused to storekeepers, who would have to stamp everything they had for sale, some of which articles might in the end never be sold at all.

Mr. Stewart (Lab.) also supported Mr. Madeley's amendment.

Mr. Visser (Nat.) spoke in favour of the smaller chemists, who dwelt upon the great hardships which they would be subjected to under the Minister's proposal.

Mr. Madeley said he was actuated in his amendment principally because the stamping of the medicines would be a more cost to the consumer.

Mr. Burton said the tax was 6d. on a gross of boxes containing not less than 100 matches. The match people themselves had made no trouble about it at all.

Mr. Waterston: I was opposing the principle of the proposal.

Mr. Boydell asked why the Minister did not tax those things which were not in "the bread and butter line." To enter into such things was not worthy of the Minister, worthy of the House, and was but "petty and piffling." The proposal was agreed to.

#### "TONO-BUNGAY"

The following is a descriptive account of the proceedings appearing in the "Cape Argus":—

Mr. Burton found himself so overwhelmed again to-night by the argument that patent medicines are "the poor man's doctor" that he decided to summon Mr. H. G. H. to his support.

"I wonder," he said, "whether any of those hon. members who keep talking in this strain have ever read the excellent book called 'Tono-Bungay'? If they have, they will know all about patent medicines."

And immediately there arose isolated cries of "Hear, hear" from hon. members of all parties, who still remembered very vividly, apparently, how one of Mr. Wells' heroes, rather, the uncle of one of his heroes—ascended from the position of a bankrupt village chemist to one of the best commercial and social positions in the land—all use he boomed from one end of Britain to the other, as a common, little patent medicine, to which he gave the magic sounding name of "Tono-Bungay."

"For there is no doubt about it, Sir," so the Minister of Finance went on to say, "that human nature, after 2,000 years of Western civilisation, is just as gullible as it was in olden times. Why, Sir, we even have members of Parliament standing up here and defending these nostrums!"

And at that, a delighted roar of laughter echoed through the House at the expense of those hon. members who have got up during the discussion, and hinted of the wonderful cures they personally have experienced as a result of patent medicines after all doctors have failed.

#### GRIPE-WATER AGAIN!

Again we have had gripe-water and teething powders dragged into debate in the supreme legislature of the land—not by Advocate Alexander this time, however, but by Mr. Waterston. Earlier in the day, Mr. Burton had very candidly admitted that he had been much impressed by the Labour member's appeal last night for the deletion of the increased duty on golden syrup ("the poor man's butter"), and when the subject veered round to patent medicines again, Mr. Waterston seemed quite anxious to return the Minister's compliment.

"The Minister was very frank with us about the golden syrup," he said, "and I want to be quite frank with him about these patent medicines. As a matter of fact, Sir, I find, after making inquiries at a chemist's shop, that this proposed tax is not nearly as great a hardship on the working man as I thought it was. But I discovered that there are still one or two items largely used by the working classes which remain taxed. For one thing, Sir, there's gripe-water—a burst of laughter)—and I don't see why hon. members should make a joke about this thing. To the family man this is a necessity. Most mothers, I think, use gripe-water to try and ensure their husbands getting a night's sleep. And then there's teething powders, Sir."

But this time Mr. Burton remained quite obdurate.

"I think it might prove very informative to the hon. member for Brakpan if he would consult his bench partner as to what are the ingredients of gripe-water," said the Minister, looking very fixedly at Dr. Forsyth, the Labour member for Gardens, who sits alongside Mr. Waterston.

"They recommend these things," cried out Mr. Waterston.

"No, he does not," declared Mr. Burton, "and neither does any doctor of experience recommend it. No one can honestly do so; and mothers who use it to give their husbands sleep, I am afraid, would do very much better to leave it alone. . . . Again I repeat, however, that all ordinary, harmless household remedies are to be excluded from the tax."

And although a number of amendments, of one sort and another, were proposed, that eventually was how the matter ended.

**DUTY ON CLINICAL THERMOMETERS.**—The Paris Wholesale Druggists' Association wrote to the Customs authorities, asking for a higher protective duty on imported clinical thermometers. The Director of Customs replied that all modifications of the tariff have first to be proposed in Parliament, and the Association is taking steps to obtain a seat for its representative on the "Co-efficient Committee" of the customs tariff.

**REVENUE FROM SPECIALITY TAX.**—The French tax on pharmaceutical specialities, which applies to all preparations, the complete formula of which is not disclosed on the container, yielded during the past year the sum of 25,800,000 francs, compared with 23,309,000 francs in 1921, and 23,858,000 francs in 1920. The tax on mineral waters brought in 15,098,000 francs during the past year, an increase of 1,486,000 over the return of the previous year.

**THE KORAN UP TO DATE.**—According to Dr. Dinguizli, a Tunisian medical officer, the Prophet has said: "Without this thin fine dust that we see trembling in the rays of the sun, without the danger of stagnant waters, the sons of Adam would live for ten centuries." This was the text of his address to the Paris Academy of Medicine, in which he stated that the Moslem population was by no means opposed to the precepts of modern hygiene. The imams should be persuaded to lecture on the subject in mosques and the itinerant story-tellers to introduce modern views in their tales, so eagerly listened to in the Moorish cafés.



## French Foreign Trade

A STUDY of the trade returns published by foreign countries is always a subject of interest to manufacturers, exporters and importers, as a source of valuable information concerning possible new markets for certain goods, or regarding the supply of raw materials and various products required in commerce and industry. The highly specialised form of the statistics published by the French Government, particularly in regard to chemicals, following the detailed classification introduced since 1920, permits an exact analysis of that country's imports and exports. During the past two years both imports and exports show an increase; the imports of materials necessary for industrial purposes exceeded, in 1922, by about 10,000,000 tons the amounts imported in the preceding year, an indication of France's industrial recovery. In 1922, 51,366,706 tons of goods were imported, to the value of 23,900,601,000 francs (1921: 40,062,102 tons, valued at 22,067,908,000 francs), while French exports in the past year totalled 22,615,688 tons, representing a value of 20,641,991,000 francs (1921: 16,035,021 tons, value 19,772,512,000 francs). In the following table the total French imports and exports, in kilograms, of those goods of special interest to the drug and chemical trades are given; these figures represent the total foreign trade of France, inclusive of her possessions and protectorates, wherever the French customs tariff is applicable.

	Imports		Exports	
	1921	1922	1921	1922
Acetanilide ..	1,100	300	600	—
Acetic acid ..	4,800	24,100	57,200	79,100
Acetylsalicylic acid ..	3,700	7,900	59,100	41,600
Aconitine and salts ..	9	—	316	—
Adrenalin and salts (grams) ..	4,000	2,000	650	2,260
Alkanoct ..	100	1,000	1,000	1,100
Aloes ..	51,200	67,600	5,100	6,700
Arachis oil ..	5,059,900	969,800	40,826,400	22,380,100
Arecoline and salts ..	700	300	—	—
Aromatised oils ..	23	62	12,650	3,460
Arsenious acid ..	366,600	163,600	8,100	119,200
Arsenious sulphide, pure medicinal ..	16,800	15,000	500	1,100
Atropine and salts ..	7	12	13	—
Benzoic acid ..	600	—	300	—
Benzoïn ..	37,500	64,200	32,500	29,300
Bismuth ..	35,800	55,000	200	1,000
Bismuth carbonate, gallate, nitrate, salicylate, tribromophenolate ..	500	—	41,200	44,500
Borax ..	62,200	23,200	1,639,000	1,239,300
Boric acid ..	38,100	44,800	1,558,700	1,185,800
Bromides, ammonium, barium, calcium, potassium, sodium, strontium ..	12,600	7,600	5,800	2,700
Bromine ..	—	—	5,900	1,300
Bromoform ..	—	—	100	1,500
Cacodylic acid and cacodylates ..	—	—	3,700	1,500
Caffeine and salts ..	900	800	5,100	2,600
Camphor, crude ..	76,500	224,900	1,100	900
„ refined ..	141,600	170,400	18,100	8,400
„ synthetic ..	30,500	174,300	—	300
Cantharides, civet, castoreum ..	4,200	10,200	1,000	2,800
Castor oil ..	257,600	537,100	2,118,200	2,132,800
Chloral hydrate ..	700	4,500	10,900	5,300
Chloroform ..	—	—	11,900	5,800
Citric acid ..	148,800	253,300	291,400	182,700
Cocaine, crude ..	81	226	738	216
Cocaine, pure, and salts ..	1,543	2,772	29	73
Cod-liver oil ..	2,001,500	3,527,500	104,200	124,300
Codine and salts ..	1,543	2,772	29	73
Copaiba ..	5,300	39,600	83,200	500
Copper sulphate ..	15,411,200	20,425,700	3,387,600	7,771,600
Curcuma ..	21,800	92,000	57,300	30,300
Digitaline ..	4	14	—	5
Emetine and salts ..	77	34	100	—
Essential oils, not specified ..	442,700	602,498	5,355	6,325
Galls ..	1,459,700	5,812,200	199,500	48,000
Geranium, palmarosa, Ylang ..	19,324	29,749	8,962	19,298
Glycerin ..	60,200	164,700	2,968,700	3,297,800
Glycerophosphoric acid and glycerophosphates ..	300	12,500	33,600	31,900
Gualacol ..	300	200	6,400	—
Gualacol salts and derivatives ..	5,500	1,100	19,000	—
Hexamethylene-tetramine and derivatives ..	18,500	17,800	1,900	—
Hydrogen peroxide solution ..	118,800	53,200	402,500	30,000
Iodides, ammonium, lithium, potassium, sodium, strontium ..	400	700	15,000	—
Iodine, crude ..	22,900	15,100	1,500	—
„ resublimed ..	—	600	3,200	—
Iodoform ..	200	100	1,400	—
Lactic acid ..	52,700	11,800	1,500	—
Leucithin ..	—	300	—	—
Linseed oil ..	14,227,700	4,110,400	1,505,600	1,520,000
Liquorice juice ..	138,600	142,000	381,900	410,000
Lithium benzoate, carbonate, citrate, salicylate ..	500	5,600	3,400	—
Magnesium citrate ..	—	—	1,300	—
Manna ..	21,800	28,500	1,100	—
Medicines, compounded; of which to: ..	102,100	363,500	11,582,700	10,100,000
Argentina ..	—	—	1,251,000	1,200,000
Brazil ..	—	—	1,052,700	730,000
Germany ..	—	—	64,100	—
Great Britain ..	—	—	452,800	240,000
Menthol and Thymol ..	12,600	8,900	2,100	—
Mercury ..	32,200	77,900	225,600	40,000
Mercury chlorides, oxides, sulphates ..	4,800	22,400	2,600	—
Milk sugar ..	111,100	75,600	18,700	—
Morphine and salts ..	1,143	1,814	472	—
Morphine, diacetyl and ethyl, and salts ..	234	375	387	—
Musk pods ..	92	192	181	—
β-Naphthol, medicinal ..	—	100	—	—
Nicotine ..	23	—	176	—
Nucleinic acid and nucleinates ..	4	14	—	—
Olive oil ..	2,211,500	26,344,500	4,934,800	6,230,000
Opium ..	5,300	5,300	2,100	—
Oxalic acid ..	126,300	358,100	4,700	—
Pancreatine ..	900	—	200	—
Papain ..	—	—	400	—
Pepsine ..	1,100	37,100	100	—
Perfumes, synthetic ..	42,000	79,300	170,800	160,000
Phenacetine ..	—	—	100	—
Phenol and cresols ..	1,900	2,100	56,600	1,000
Physostigmine and salts ..	5	—	—	—
Pilocarpine and salts ..	52	22	—	—
Podophyllin ..	—	400	100	—
Poppy seed oil ..	—	—	186,400	230,000
Potassium permanganate ..	57,100	26,200	7,900	10,000
Quassine ..	1,000	1,100	—	—
Quinine and salts ..	600	900	18,000	2,000
Resorein ..	500	—	34,200	—
Rose oil ..	1,543	1,375	4,950	—
Saffron ..	21,100	14,900	2,600	—
Salicylic acid ..	4,800	—	39,100	3,000
Salol ..	100	—	200	—
Santonin ..	68	43	1,390	—
Scammony resin ..	20,000	8,200	600	—
Sesame oil ..	180,900	5,300	2,141,600	1,240,000
Soaps, perfumed; of which to: ..	28,000	30,700	2,752,500	3,600,000
Belgium ..	—	—	306,100	71,000
Germany ..	—	—	37,500	—
Great Britain ..	—	—	494,700	42,000
Italy ..	—	—	183,600	24,000
Sodium bicarbonate ..	34,900	11,000	1,392,900	2,490,000
Sodium hyposulphite ..	9,000	200	719,600	93,000
Sparteine and salts ..	31	—	149	—
Spermaceiti ..	1,400	1,300	5,400	1,000
Strychnine and salts ..	845	850	8,000	—
Sulphonal ..	—	700	900	—
Tartar emetic ..	200	900	27,600	8,000
Tartaric acid ..	174,500	348,600	431,100	45,000
Terpeneless oils ..	100	600	23,600	7,000
Theobromine and salts ..	400	600	3,200	—
Trional ..	—	—	—	—
Turpentine oil ..	58,800	69,000	11,548,200	9,100,000
Veronal ..	1,600	2,600	400	—
Veratrine ..	84	42	40	—
Vaselin ..	111,000	81,200	462,900	20,000
Vanillin ..	800	100	10,400	2,000
Zinc oxide ..	3,473,400	5,013,600	214,900	2,940,000



## Colombian Duties on Medicines and Perfumery

The Colombian congress last year passed a decision levying certain rates in the customs tariff of 1918, especially those referring to medicines, by introducing a new classification for this category of goods. In the revised tariff a distinction is made between pharmaceutical preparations, registered or patented specialties, secret remedies and trade-marked products, and under a tariff number explicit directions are given for the levance of the customs officials in dealing with these various forms of remedial agents. The new classification, especially the explanatory remarks designed to characterize each category, present several features of interest and mark an innovation in the practice of levying duty on medicines by stating the attributes distinguishing the various classes into which these have been divided by the Colombian legislators, as will be seen from the following abstracts of the tariff numbers in question; rate of duty is given in pesos, for one kilogram, duty being levied on the gross weight:—

500.—Cod-liver oil, in capsules or emulsion	1.10
569.—Medicated cigarettes	0.25
603.—Homoeopathic globules	2.00
615.—Patented perfumed medicated soaps, such as Cuticura, Pears', etc.	0.60
616.—Not patented medicated syrups	0.25
623.—Pharmaceutical specialties of known composition imported in the form of solutions, powders, granules, elixirs, emulsions, pills, drops, dragées, pastes, globules, etc.	0.40
This rate is chargeable on all pharmaceutical specialties and preparations put up ready for use and issued by the manufacturer under a trade mark or patent, the composition being indicated on the label or wrapper of each container. This category includes Santal Midy, Kola Astier, Histogenol, etc. These preparations must be imported in their original packages, in which they are to be sold to the public.	
625.—Pharmaceutical specialties and secret remedies, the formula of which has been registered and patented in the Republic	1.00
626.—Pharmaceutical specialties, not registered and not patented	2.00
This description applies, <i>inter alia</i> , to: Eno's Fruit Salt, Holloway's Pills, Carter's Pills, Williams' Pills, Chlorodyne Collis Browne, Elliman's Embrocation, Winslow's Syrup, Scigel's Syrup.	
627.—New products, the composition of which is name of their originator, but which can nation, being difficult to pronounce and to remember, has been replaced by a name more suitable for popular use, are not to be regarded as patented or secret remedies—e.g., antipyrin, adrenalin, dermatol, lysol, veronal, etc., and unless otherwise specified, are dutiable at the rate of	0.25
628.—Pharmaceutical preparations known by the name of their originator, but which can be manufactured without any legal restrictions, and have become ordinary lines in the drug trade, are not to be treated as secret remedies, provided they are not put up in special containers. This applies to such medicines as: Bland's Pills, Blancard's pills, Vallet's pills, Anderson's Scot's pills, and all other pharmaceutical preparations possessing a formula not prohibited by law. Rate of duty	0.40

In addition to the customs charges specified above, all medicinal preparations falling within the foregoing tariff numbers have to pay on entry into Colombia an *ad valorem* duty, in the form of a "consumption tax," amounting to 15 per cent. of the value of each as declared on the consular invoice. Since the disclosure of the

composition plays a decisive part in establishing the chargeable rate of duty applicable in each case, in order to avoid proprietary preparations imported into Colombia from being classified under tariff No. 626, whereby they become liable to the maximum rate of duty, they should bear a label affixed to the outside of each package indicating the composition of the product. Preparations bearing this disclosure are chargeable at the rate of 0.40 peso, instead of 2 pesos, per kilogram gross weight.

### PERFUMERY

The following customs charges are now levied on toilet articles, cosmetics and perfumes, in pesos per kilogram:—

Mouth washes and perfumed tooth powders	1.30
Perfumed alcoholic preparations for toilet uses, incorrectly termed waters (Florida Water, etc.)	1.00
Eau de Cologne	2.00
Brilliantine, cosmetics and creams for the hair, skin, or nails	2.50
Scents for perfuming handkerchiefs, not being oils or essential oils	2.50
Perfumed lotions for the hair	1.50
Perfumed powders for toilet use and powder puffs	2.00
Tinctures and pomades for the hair and beard	2.50
Articles of perfumery not otherwise specified	4.50

A decree of February 15 establishes a total charge of 2.50 pesos per kilogram, i.e., inclusive of duty and "consumption tax" on perfumed pomades not otherwise specified (tariff No. 1357).

## Colonial and Foreign News

**SALE OF DRUGS IN FRENCH TOGOLAND.**—A presidential decree provides that the holding, circulation, and offering for sale in French Togoland of drugs, chemical and medicinal products and pharmaceutical specialties is subject to the authorisation of the French Commissary. These articles may be imported for sale only on presentation of a request for permission to import, stating the exact name and origin of the product and the quantity to be imported, and accompanied by a sample. All pharmaceutical specialties must show legibly on the envelope or label their exact qualitative or quantitative composition.

**SWISS PHARMACEUTICAL INDUSTRY.**—During the year 1922 Switzerland exported pharmaceutical chemicals and drugs to the value of 24,299,174 francs, against 30,115,421 francs in 1921. The value of the imports belonging to this category of goods aggregated 14,575,765 francs in 1922, a slight increase over the figure for 1921, which amounted to 13,289,539 francs. In spite of this highly satisfactory balance on the active side, complaint is made in professional circles that Swiss pharmacy is being increasingly flooded with foreign products, a contention that would appear to be scarcely justifiable in view of the above figures, which prove that the value of the exports of the Swiss pharmaceutical industry is practically double that of the imports of the same class of goods. Possibly foreign manufacturers have adopted more aggressive advertising methods, with the result that their products are more in evidence.

**PROFESSIONAL FASCISM.**—The Fascist revolution, which has deeply stirred the political life of Italy, is having a repercussion on its professional life as well. The present Government encourages the formation of professional syndicates of a political character. These syndicates, of the nature of trade unions, but with Fascist ideals and under Fascist rules, will eventually send delegates to form a "technical parliament," which will decide on all professional matters. The existing medical, pharmaceutical and other associations are strongly against this movement, which would divide the professions into opposite camps and enfeeble their authority and usefulness. The 7th Medical Congress has already rejected the proposal for independent syndicates, and the next meeting of the pharmaceutical associations will probably do likewise. This, however, may not prevent the Government from developing their own schemes.



## Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1923, p. 289.

(From "The Trade-marks Journal," April 25, 1923.)

- "FLYOSAN"; for chemicals (2). By The Dorland Agency, Ltd., 16 Regent Street, London, S.W.1. 434,562.
- "VIMSAL"; for medicine (3). By T. B. Barker, 3 Wentworth Mansions, Hampstead, London, N.W.3. 432,074.
- "GOOD FOR ME—GOOD FOR YOU!" with device of child with jar and spoon; for medicinal chemicals (3). By A. Wander, Ltd., 45 Cowcross Street, London, E.C.1. 433,029.
- "VILLORE"; for medicinal chemicals (3). By Fabrique de Chocolat et de Produits Alimentaires De Villars Société Anonyme, Perolles, Fribourg, Switzerland. 433,099. (Associated.)
- "IVULA"; for medicinal chemicals (3). By Pearson's Antiseptic Co., Ltd., 61 Mark Lane, London, E.C.3. 433,425.
- "CASSICON"; on circle, with device of bunch of cherries; for a cough mixture (3). By Cassie & Co., Ltd., 103 Newgate Street, London, E.C.1. 433,494.
- "APOTHECOL"; for medicinal chemicals (3). By Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, London, S.W.7. 433,985.
- "NEW BROOM"; for medicinal chemicals (3). By C. H. Parsons & Brother, Ltd., 9 Whitehall Road, Leeds. 434,224. (Associated.)
- "VINBUX"; for a medicine (3). By T. A. Buxton, 60 Queen Victoria Street, London, E.C.4. 434,654.
- "BOVO-LACTIN"; for all goods (3). By Food Products, Ltd., 11 Arundel Street, Strand, London, W.C.2. 434,664. (Associated.)
- "KODOL"; for a dyspepsia remedy (3). By E. C. de Witt & Co., Ltd., 2 Cherry Orchard Road, East Croydon, Surrey. B. 434,666.
- "ANDRIOL"; for pharmaceutical preparations (3). By Hans Truttwin, 79a Hernalsr Hauptstrasse, Vienna, XVII/I, Austria. 434,711.
- "NELMO"; for medicinal chemicals (3). By A. E. Nelves, 15 Rye Hill, Newcastle-on-Tyne. 434,758.
- "SANODEX"; for medicinal chemicals (3). By R. H. Raine, 148 Heaton Park Road, Newcastle-on-Tyne. 434,832.
- "CEVEST"; for photographic apparatus, etc. (8). By C. V. Stead, Ltd., 5 Chepstow Street, Manchester. 433,180.
- "KRYPTOX"; with device including sun and book; for spectacles, etc. (8). By Kryptok, Ltd., Pixmore Avenue, Letchworth, Hertfordshire. 433,744. (Associated.)
- "NEU-COMF"; for surgical instruments, etc. (11). By W. C. Alderton, 17 Royal Parade, Temple Fortune, Golders Green, London, N.W.11. 433,783.
- "T. C. HODGKINSON"; facsimile signature; for surgical instruments, etc. (11). By T. C. Hodgkinson, 35 Westcroft Square, Hammersmith, London, W.6. 434,053.
- "DO YOU WASH? USE LAVENE" for soap (48). By A. Morris, 4 Cullum Street, Fenchurch Street, London, E.C.3. 432,276.
- "GLAXO BATIT BEAUX BEBES. UN BEBE GLAXO," with picture of baby in circle; for food substances (42). By J. Nathan & Co., Ltd., 16 St. Helen's Place, London, E.C.3. 433,771. (Associated.)
- "CALAC"; for milk and milk products (42). By Nestlé & Anglo-Swiss Condensed Milk Co., 6/8 Eastcheap, London, E.C.3. 432,903. (Associated.)
- (From "The Trade-marks Journal," May 2, 1923.)
- "BLANCOPHONE"; for all goods (1). By C. Moore & Co., Ltd., 5 Castle Street, Liverpool. 431,424.
- "FEDCO"; for chemicals (1). By Co-operative Wholesale Society, Ltd., 1 Balloon Street, Manchester. 434,124. (Associated.)
- "HUSOL"; for all goods (1). By T. H. Hughes and J. Hancock, 9 Trafalgar Road, Milford Haven, Pembrokeshire. 434,248.
- "BOKAY," over bunch of flowers; for chemicals (1). By Champion, Druce & Co., 6 Laurence Pountney Hill, Cannon Street, London, E.C.4. 434,550.
- "AGRIJUST," on oblong label; for chemicals (2). By Agricultural Products, Ltd., 39 Victoria Street, London, S.W.1. 434,031.
- "TIXIDE"; for all goods (2). By R. S. Clare & Co., Ltd., 8-14, Stanhope Street, Liverpool. 434,551.
- "ZYMAX"; for chemicals (2). By Kerol, Ltd., 47 Russell Square, London, W.C.1. 434,982.
- "BOROLIO"; for soap (2). By The Patent Borax Co., Ltd., 194-196 Ledsam Street, Ladywood, Birmingham. 435,013.
- "UACOLINE" for fertilisers (2). By The United Alkali Co., Ltd., Cunard Building, Pier Road, Liverpool. 435,083.
- "GARJENE"; for chemicals (2). By B. C. Tipper & Son, 43-45 Homer Street, Balsall Heath, Birmingham. 435,510.
- "KEFIROL"; for a Kéfir medicinal substance (3). By Constance E. Temple, Green Lane Cottage, Worth, Sussex. 432,755.
- "NUFORAL," with device of triangles, crescent and letter "N"; for a tuberculosis medicine (3). By Nufora Laboratories, Inc., 686 Lexington Avenue, New York U.S.A. 420,582.
- "KUMEX"; for pills, tablets and ointments (3). By Barry, Medical Hall, Main Street, Boyle, co. Roscommon, Ireland. 432,597.
- "NUTROIDS"; for medicinal chemicals, excluding laxatives (3). By C. E. Holmes, 64 Harrington Road, Workington, Cumberland. 432,842.
- "GRAN-EASE"; for ointment (3). By Granny Mitchell, Ltd., "The Lindens," Telford Road, Farnham, Surrey. 433,347.
- "GENAMINT"; for medicinal chemicals (3). By Genatosan, Ltd., 43 Regent Street, Loughborough, Leicestershire. 434,452. (Associated.)
- "ATOPHANYL"; for medicinal chemicals (3). By Chemische Fabrik auf Actien (vorm. E. Schering), Mullerstrasse 170/171, Berlin, N.39. 434,667. (Associated.)
- "PAR-WAR A" (letter "A" disclaimed); for medicinal soap (3). By Parker, Ward & Co., Ltd., Windsor House, Victoria Street, London, S.W.1. 434,699.
- "STIM"; for medicinal chemicals (3). By C. Breeze, 151 Plaistow Road, West Ham, London, E.15. 435,017.
- "FASILOID"; for medicinal tablets (3). By F. Postlethwaite, 74 High Street, Huddesdon, Hertfordshire. 435,254.
- "ENSIGN"; for scientific instruments, etc. (8). By Houghtons, Ltd., 88-89 High Holborn, London, W.C.1. 434,365. (Associated.)
- "VIT-O-NET"; for surgical and curative appliances (11). By A. C. Cunningham, Clement Block, Rosser Avenue, Brandon, Manitoba, Canada. 424,203.
- "DORMEL"; for baby soothers (11). By W. H. Griffiths, "May Bank," Belmont Road, Hereford. 433,575.
- "VITAMITE"; for food substances (42). By The Jenner Food Co., Ltd., King's Buildings, Wharf Street, Dukinfield, nr. Manchester. 432,101.
- "BEEFEX"; for food substances (42). By J. Gambles, 1 Goldsmith Street, Nottingham. 434,703.
- "PALMOLIVE PRINCESS FLAKES" "Palmolive" disclaimed; for soap flakes (47). By The Palmolive Co., Corner of Fourth and Fowler Streets, Milwaukee, Wis., U.S.A. 429,209.
- "LYLYDEESA"; for perfumery, etc. (48). By Lilian F. D. Suggate, 46 Dalgarno Gardens, St. Quintins Park, London, W.10. 430,727.
- "OVAL DEVICE OF VOLCANO"; for goods (48). By Phyllis Earle Ltd., 15 North Audley Street, London, W.1. 431,602.
- "GOLD APPLE"; for perfumery, etc. (48). By J. C. Round, 19 Crescent Wood Road, Sydenham Hill, London, S.E.26. 432,749.
- "SATINELLA" for toilet preparations (48). By Lilian R. Hargreaves, 10 Waterlow Road, London, N.19. 433,138.
- "LAVADA" and "LAVALLA"; for all goods (48). By Dearborn (1923), Ltd., 37 Gray's Inn Road, London, W.C.1. 433,378/379. (Associated.)
- "TINXOL-HENNEXTRE"; for perfumes and hair dyes (48). By A. H. Chabrier, 48 Passage Jouffroy, Paris. 433,672. (Associated.)
- "LIBROX"; for perfumery, etc. (48). By D. M. Rees, 61 South Audley Street, Grosvenor Road, London, W.1. 434,145.
- "BATHLETS"; for perfumed soap (48). By J. & W. Gibbs Ltd., High Street, Wapping, London, E.1. B.434,413.
- "FEETALIN"; for perfumery, etc. (48). By C. Norman, 11 Montpelier Walk, Cheltenham. 434,807.
- "SHAMPOODA"; for perfumery, etc. (48). By United Chemists' Association, Ltd., Priory Court, London Road, Cheltenham. 434,964.
- (From "The Trade-marks Journal," May 9, 1923.)
- "THE SIGN OF QUALITY," with device of flags; for good (1). By Lisle, Munday & Co., Priory Road, Southampton. 433,168.
- "SUPEFEX"; for photographic chemicals, etc. (1). By E. O. Harris, 63 Sankey Street, Warrington. 433,639.
- "THE ASEPTOL BRAND" on circular device, with applicant's name and address ("Aseptol" disclaimed); for disinfectants (2). By Irish Disinfectants, Ltd., 5 Usher's Place, Dublin. 431,368.
- "LOTOL"; for disinfectants (2). By F. C. Bendixsen, Brigadevej 47, Copenhagen, Denmark. 433,067.
- "CARBOKRIMP"; for chemicals (2). By Naamloze Vennootschap Utrechtse Asphaltfabriek Voorheen Firma Stein and Takken, Maliebaan 35, Utrecht, Netherlands. 434,700.



Trade Report

42, Cannon Street, E.C.4, May 31.

BUSINESS conditions in Mincing Lane produce remain such as previously reported, the interest this week being centred in the drug auctions, at which representative supplies were offered. There are few private price-changes to report: ergot is offering cheaply from the Continent, and spot supplies are ample. Cod-liver oil is very firm, on account of the fact that considerable quantities of steam-refined were bought for technical purposes. Shellac is again lower on the spot; turpentine and linseed oil are also cheaper. The seed market is featureless and prices are nominally unchanged. Vanilla is comparatively scarce on the spot. Business in pharmaceutical chemicals continues slow, and it is anticipated that prices of a few items will be available at a slightly lower level before long. Among industrial chemicals business is also dull, and in a number of instances prices are tending in buyers' favour. Home trade has again been disappointing, while exports have been fairly good.

Higher	Firmer	Easier	Lower
Russia oil Siam oil (dist.) (W.I.) Tung oil (Jp.) Orange oil (Sic.) Safflower Rubber	Bergamot oil Citronella oil Eucalyptus oil Mandarin oil Mercury Sodium acetate	Antimony Buchu Carbolic acid Cardamoms Citric acid Coconut (desicc.) Copper sulphate Ergot Geranium oil (c.i.f.) Hexamine Methyl salicylate Naphthalene (solvent) Potash caustic Sodium prussiate	Acid oils Honey Linseed oil Pitch Potash prussiate Sarsaparilla (grey Jam.) Shellac Turpentine Wood oil

**Cablegrams**  
NEW YORK, May 29.—Business is dull. Mexican sarsaparilla has advanced to 35c. per lb., and balsam Peru to 1.75 per lb. Cartagena ipecacuanha is cheaper at \$1.70, and podophyllum root has been reduced to 16c. Mercury is cheaper at \$67.00 per flask.  
BERGEN.—May 31.—The total catch of cod for the whole of Norway since the opening of the season amounts to 4,800,000, against 45,900,000 for the corresponding week of last year, and the yield of cod-liver oil is 77,267 hectolitres against 76,008 hectolitres for the same period of 1922. Price of finest new medicinal steam-refined oil of 1922 crop is from 107s. per barrel c.i.f. London.

**Exchange Rates on London**  
The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at 4 p.m. on Wednesday:—

Place	Method of Quoting	Par of Exchange	May 23	May 30
Amsterdam	Fl. to £	12.107	11.82½—11.83	11.81—11.81½
Berlin	M to £	20.43	247,000—250,000	283,000—287,000
Brussels	Fr. to £	25.22½	80.65—80.75	81.45—81.55
Calcutta	Per rup.	24d.	16½d.—16¾d.	16¾d.—16½d.
Constantinople	Pst. to £	110	750—770*	755—775*
Ceylon	Dr. to £	25.22½	255—265	210—215
India	Dir. to £	25.22½	96—96½	97½—97½
London	Escu.	53½d.	2½d.—2½d.	2½d.—2½d.
Madrid	Pts. to £	25.22½	30.35—30.37	30.42—30.45
Montreal	\$ to £	4.86½	4.72½—4.73½	4.72½—4.73½
New York	\$ to £	4.86½	4.63—4.63½	4.62½—4.62½
Paris	Fr. to £	25.22½	69.45—69.55	69.95—70.00
Singapore	Per dol.	—	28½d.—28½d.	28½d.—28½d.
Switzerland	Fr. to £	25.22½	25.64—25.67	25.60—25.63
Tientsin	Kr. to £	24.02	320,000—330,000	320,000—335,000
Yokohama	Per yen	24.58d.	25½d.—25½d.	25½d.—25½d.

\* Nominal.

**Crude Drugs, etc.**  
ANTIMONY has been irregular and rather easier, due to distinctly cheaper offers from the Far East, while some business has been done lately in regulus to arrive down to £25 c.i.f., and there are now sellers at fully £1 under that rate. The demand is once again very slow, but the supply of English refined is exceedingly limited, and ordinary stands at £30 to £32 and special brands at £36 15s. to £38, according to quantity.  
BISMUTH.—The demand continues quite active at the official quotation of 10s. per lb. for at least 500-cwt. parcels.  
CADMIUM.—Owing to the improved demand, the market has been somewhat firmer, and terms vary from 5s. to 5s. 3d. per lb.  
CAMPHOR (REFINED) remains quiet with Japanese 2½-lb. slabs offering at 3s. 6d. to 3s. 7d. per lb. on the spot; to arrive, May-June shipment is quoted at 3s. 7d. c.i.f. Chinese crude is 3s. 1½d. on the spot and 2s. 11d. c.i.f. for May-June shipment.  
CLOVES are rather firmer, with spot sales of fair Zanzibar at 11½d. to 1s. per lb. To arrive, sales of May-July shipment have been made at 11½d. to 11½d. to 11½d. c.i.f. The week's statistics show 1,305 bales landed and 182 delivered, leaving a stock of 15,923, against 2,117 bales in 1922.  
COCONUT (DESICCATED) has been quiet and easier at the close, spot sellers quoting fine Ceylon at 46s. and medium at 48s. To arrive, April-May shipment is quoted at 42s. 6d. c.i.f., and May-June at 41s. c.i.f.  
COD-LIVER OIL remains very firm and in marked upward tendency, sellers of finest new Lofoten medicinal oil quoting about 102s. 6s. to 105s. per barrel c.i.f., the spot value being about 110s. The recent advance is all the more surprising considering that the rate of exchange is adverse to Norway. Our Bergen correspondent writes on May 28 that the Fiumarken cod fishery last week was hindered by stormy weather and partially also by lack of bait. The total output of all the Norwegian cod fisheries, compared with that of previous years, is as follows:—

	Catch of cod	Yield of steam refined cod-liver oil	Livers for crude oil
May 19, 1923	43,500,000	75,980 (Hect.)	16,366 (Hect.)
May 20, 1922	43,100,000	72,470 "	13,744 "
May 21, 1921	36,600,000	53,997 "	12,199 "
May 22, 1920	32,700,000	49,500 "	5,400 "
May 24, 1919	25,700,000	31,900 "	4,100 "

The Bergen market is firm with limited supplies. For finest non-freezing steam-refined quality up to 110s. per barrel c.i.f. London has been paid, and to this price there are still buyers.  
GENTIAN.—Sales have been made at 37s. 6d. per cwt. on the spot, and to arrive the c.i.f. price is about 34s. 6d.  
GINGER.—Sales of African to arrive have been made at 55s. per cwt. c.i.f. Supplies of Japanese ginger are now very small, but at the higher prices asked buyers hold aloof. Spot is quoted at 70s.  
LIME JUICE.—The latest price quoted for concentrated West Indian is £23 c.i.f. per pipe of 108 gallons.  
MENTHOL is nominally quoted at 34s. per lb. on the spot for Kobayashi-Suzuki, but sales have been made at about 1s. per lb. less. To arrive, sellers of May-June shipment quote 32s. per lb. c.i.f.  
MERCURY.—The steadiness experienced for some few weeks past at slowly hardening rates has been followed since the opening of this week by a decidedly firmer market and rather more activity. There has been plenty of inquiry for the home trade and export, and a fair amount of business has been going through. Arrivals having been comparatively restricted, there is not a great deal offering on the spot, and the tendency favours a further advance. The American production now being very small, and reserve stocks in America getting reduced, additional importations from that quarter on an important scale at any time would have an effect on the market. Reports from the Continent allude to the much better development of Italian resources since 1921, this also relating to the Istrian mines, which formerly were part of Austrian territory. The increase in the total production for last year compared with the previous



year was about 460 tons to 1,530 tons. The London spot price is from £10 10s. to £10 12s. 6d.

MUSK.—Prime quality natural Tonquin pods are offered at 87s. per oz.

PEPPER remains dull, fair black Singapore offering at 4½d. per lb. on the spot. To arrive, May-July and June-August shipment is quoted at 3½d. per lb., c.i.f., d.w. Fair Tellicherry on the spot is 4½d., Aleppy 4½d., and Lampong 4½d. per lb. White Muntok is dull, with spot sellers at 6½d. per lb.; to arrive, May-June shipment has been sold at 6½d. c.i.f. Spot Singapore is 5½d., and May-July shipment 5½d. c.i.f., d.w.

PIMENTO is dull with spot sellers at 2½d. per lb., and to arrive 17s. 9d. per cwt. c.i.f. is quoted.

PLATINUM is about steady with manufactured metal ranging upward of £24 per oz., while raw metal is called £22 10s.

RUBBER is decidedly better, the increase of last week being fully maintained, and the market has appreciated a further ¾d. per lb. America is again displaying an active interest in the market, and buying from that quarter has been fairly general. The recent depletion in the London stock is being felt, and fair quantities of old standard rubber are being rejected by the Award's Committee on account of "bloom" appearing on the sheets, due to age. The Singapore prices have all advanced, and the cables show a disinclination to offer any big quantities for forward shipment. Buying by "bear" operators has also influenced the advance. The substantial deliveries of the past two months were again supported last week, over 1,780 tons having left the warehouses. Arrivals totalled only 652 tons, with a decrease of 1,128 tons in stands at 54,489 tons. Quotations (Wednesday, 5 p.m.):—No. 1 standard crepe and ribbed smoked sheet, spot and October-December, 1s. 2½d.; July-September, 1s. 3½d.; October-December, 1s. 3½d.; January-March, 1s. 4½d. Hard fine Para is inactive at 1s. 2½d. per lb. Balata remains quiet, with quotation unaltered.

SHELLAC.—The weakness of the market has been accentuated under the same adverse conditions as for some time past, the position at Calcutta being unsettled in the absence of any special export demand, and current deliveries being under restrictions, the recent further liberal arrivals will undoubtedly lead to another important increase in the stocks here. The London spot price has declined about 15s. per cwt. on the week, usual standard TN quality closing at 275s.; good to fine second orange is 300s. to 340s., superfine 380s., AC cakey 295s., and GAL 255s. The sales for delivery include August at 235s. to 250s. to 245s., and October at 242s. 6d. to 240s. to 235s.

STARCH PRODUCTS.—Farina is dull with Japanese offering at 15s. 6d. per cwt. on the spot. Dutch is 14s. 9d. spot and 13s. 6d. f.o.b. for May-June shipment. Maize starch powder is 16s. 1½d. on the spot. Superior Dutch dextrin is offered at 22s. 6d., and No. 2 at 20s. to 21s. English rice starch crystals offer at 40s., and Continental at 34s. per cwt.

VANILLA.—Spot supplies are scarce, and it is anticipated is likely to remain so for a time, as the next crop of Bourbon beans does not arrive until September. Much lower prices may not obtain even then, as America is said to have been already on the market for forward delivery at prices which are considered high. Bourbon beans also are increasingly in demand. On the spot, average length (6 in.), is quoted at 17s. 6d. per lb. Tahiti beans (white label) may be obtained at 11s. 6d.

#### Essential Oils

THERE has been a fair demand for some of the heavier articles, and prices are accordingly dearer. Cassia oil has advanced and is not very plentiful on the spot. Japanese mint is also dearer, and Ceylon citronella is firmer. West Indian distilled lime has been in strong demand for export, and prices have advanced. Sicilian oils have advanced, particularly orange and mandarin. Bourbon geranium is weaker to arrive.

ANISE (STAR).—"Red Ship" on the spot is quiet and unchanged at 1s. 10d. to 1s. 11d. per lb., and 1s. 10d. c.i.f. to arrive.

BERGAMOT is slightly firmer to come forward, the c.i.f. price for 37 to 39 l.a. being from 12s. to 12s. 6d. per lb. On the spot, sellers quote on about the same level.

BOIS DE ROSE (FEMELLE).—Spot sales have been made about 10s. 6d. per lb., which is the price quoted for original drums; up to 11s. is wanted.

CARAWAY in small lots is selling at 34s. per lb.

CASSIA.—A fair spot demand is reflected in higher prices; up to 8s. 9d. per lb. has been paid, and holders quote 8s. 10½d. to 9s. The c.i.f. price to arrive 8s. 6d. c.i.f.

CITRONELLA.—Ceylon on the spot is tending firmer from 3s. 4d. to 3s. 6d. per lb. The price to come forward is 2s. 11d. c.i.f. to arrive. Java is unchanged at 3s. 11d. on the spot, and 3s. 9d. c.i.f.

EUCALYPTUS has been in steady demand on the spot and is firmer at 1s. 7½d. per lb. for 70-75 and 75-80 per cent. cineol. The c.i.f. price to arrive is dearer 1s. 7½d.

GERANIUM.—Bourbon on the spot is offered at from 29s. 6d. to 30s. per lb. The price quoted to arrive weaker at 205 fr. per kilo c.i.f. Marseilles, and for June-July shipment 200 fr. There has been a slight falling off in demand from American sources. French geranium oil on the spot is obtainable in quantity at about 46 per lb.

LAVENDER.—The outlook for this year's new crop likely to be better than it was for last year's crop. In September, 1922, when distillation was completed, was reported that there was a carry-over of 130 tons but demand during the past six months has reduced this considerably, and it is estimated that there is only about 20 tons left. As a result it is anticipated that the new crop price will start on the level of the old valuation. Present spot quotation for 38 to 40 per cent. ester from 12s. 6d. to 13s. 6d. per lb.

LEMON.—The price quoted to arrive ranges from 2s. 10d. to 3s. 2d. per lb. c.i.f. On the spot from 2s. 3s. per lb. is quoted.

LIME.—West Indian distilled has been in strong demand, and spot holders now quote 3s. 9d. per lb.

MANDARIN is dearer to arrive at from 29s. to 32s. per lb. c.i.f.

MINT.—Japanese dementholised Kobayashi-Suzuki, dearer, with sales made up to 6s. 6d. per lb. For 6s. 7½d. to 6s. 9d. per lb. is now asked. The c.i.f. price to arrive is higher at 6s. 7½d. for second-hand seller 6s. 5d. is reported paid. Shippers' price is 7s. c.i.f.

ORANGE.—Sicilian sweet has again advanced, the price quoted to come forward being from 13s. 6d. to 14s. 1½d. c.i.f., although some shippers are asking more. With spot stocks last, buyers may obtain some advantage in these replacement values. Bitter orange is also dearer at from 11s. 6d. c.i.f. upwards. West Indian sweet obtainable at 10s. 6d. per lb.

OTTO OF ROSE.—Bulgarian on the spot is quoted 26s. per oz. for original 25-oz. containers.

PALMAROSA on the spot is scarce, and price ranges from 18s. 6d. to 19s. per lb.

PATCHOULI.—On the spot usual Penang quality steady at 26s. 6d. to 27s. 6d. per lb. The "Dencalio" from Singapore has brought fifty-three packages to London.

#### Pharmaceutical Chemicals, etc.

FOR some reason that is not quite clear, but is possibly due to some weak holders, the market does not seem steady this week, and with business continuing slow prices at a slightly lower level may shortly govern the market. Up to the close there was no general movement in this direction, but several products were showing rather easier tone. This, of course, does not apply to those products which are almost solely imported from Germany. In these lines the spot position remains firm. Home trade has again been disappointing, while export business has been fairly good.

ACETANILIDE on a steady market, with not much business about, is quoted at 1s. 6d. to 1s. 8d. per lb., and quantity.

AMIDOPYRIN holds at the recent advanced rate of 10s. per lb., and the Continental offerings make this price firm.



IN.—The prices quoted last week—3s. 2d., to per lb. for best brands—are fully maintained, fair business passing.

INE has been in fairly good demand, with spot at 12s. 9d. per lb.

ONE is quoted here at 21s. per lb., this price being on the current Continental price. There is little doing.

IC ACID, in some quarters, has moved up to per lb., but for a quantity slightly less might be obtained. Continental prices are dear.

APHTHOL (resublimed), 2s. per lb.; benzonaphthol, 3s. per lb.; and benzaldehyde .03, 3s. per lb., are all at current prices with quoted rates unchanged.

ACID.—British makers' prices stand at the lowered levels and are not likely to change in time. Dealers are offering at competitive rates.

DES.—The tone on the spot, with business quite continues firm, and tends to come into line with the high rates now quoted on the Continent. Sulphuric, 8½d. to 9d. per lb.; potassium, crystals, 8½d. to 9d. per lb.; sodium, crystals and 9½d. to 9½d. per lb.; large quantities at cheaper.

UM LACTATE is fairly steady, but in no great demand with the spot price in the region of 2s. per lb., quantity.

AL HYDRATE.—Duty paid has been in small quantities as quoted at about 4s. to 4s. 3d. per lb.

ACID.—B.P., crystals, have met with a very demand again this week, this probably being due to the cold weather prevailing. Spot holders have been in some anxiety to clear some rather big lots, and two isolated parcels have been available as low as 1s. 8d. per lb., less the usual discount. The general demand, however, is close up to 1s. 8d. per lb.

ARIN is very firm and in good demand at from 17s. 6d. per lb.

OTE.—B.P. remains steady at about 2s. 2d. per lb. only small business on the market.

OTE CARBONATE remains very flat; spot offers are at the more or less nominal figure of 10s. 6d.

COL CARBONATE has been inactive, with the price at 8s. 3d. per lb.

TROPINE is getting scarce on the spot, with 7s. now quoted.

MINE, after a period of good business and firm demand, has quietly down somewhat, and spot offers are being made at 4s. to 4s. 3d. per lb.

QUINONE has been in good demand, and most of the stock now stand firm in the region of 3s. 9d. per lb. all lots.

YL SALICYLATE has moved back to its old level of 3s. 6d. per lb. The market seems to be quite at this level.

YL SULPHONAL is unchanged, with offers easy at 1s. 8d. per lb.

ORMALDEHYDE has met with occasional demand, spot holders quoting from 4s. to 4s. 3d. per lb.; prices the market is steady.

DEHYDE holds well and has been in fair demand with the selling price from 1s. 6d. to 1s. 8d. as to quantity.

ACETIN.—Buyers of small spot lots have had to pay up to 6s. 6d. per lb. this week. Slightly higher prices for large lots might attract sellers.

OLPHTHALEIN is firm, with nothing much offering at least 5s. 6d. per lb. The Continental position is not so firm.

SIUM PERMANGANATE.—B.P. continues active on the market and the limited quantities available are well held at 1s. 8d. and upwards per lb.

ACIN holds at last week's higher rates of 5s. 9d. per lb. Continental rates support these figures.

CLIC ACID.—There has not been much business but the price from dealers remains quite steady at 2s. to 2s. 4d. per lb.

is well up to last week's rate of 2s. 8d. to 3s. per lb.; the call for this product is limited.

UM BENZOATE is a firm feature, although there has

not been much doing. Dealers quote at 2s. 6d. to 2s. 9d. per lb.

SODIUM METHYLBARBITURATE is steady on a very dull market; spot quotations based on Continental offerings are at about 18s. 6d. per lb.

SODIUM SALICYLATE.—There is little to add to the comments given last week; the position is unchanged, except that business has been rather quieter. Spot prices are unchanged from 2s. 5d. to 2s. 6d. for B.P.; powder up to 3s. for phys. pure flake.

SULPHONAL is firm, although meeting with little business; quotations range from 14s. 6d. to 15s. per lb.

TANNIC ACID.—Leviss holds at 3s. 6d. per lb., with a few sales effected.

TARTARIC ACID.—B.P., crystals have again this week been the source of fairly good business, and the price on spot is firm at about 1s. 3½d. per lb. This shows a slight reaction on the week, but the market now seems steady.

TERPENE HYDRATE is steady, but only in small demand at the unchanged rate of 1s. 9d. per lb.

### Industrial Chemicals, etc.

London, May 30.

THE slowness of business is the feature mostly commented upon in the reports to hand this week. Prices, while being generally maintained, are in a number of cases tending to weaken, and a few show slight declines already. The latter movement is generally due to nervous holders and some who are forced to sell out.

ACETIC ACID is one of the strong features, so far as the spot position is concerned, with but small supplies available; 80 per cent. technical, about £48; 80 per cent. pure, £50; 98 per cent. glacial, in barrels, £60 (Canadian), and £75 (Continental), in glass demijohns, ex wharf, London. There is no sign of the appeal case under the Safeguarding of Industries Act, against the exclusion from import duty of the 80 per cent. material, which was lodged at the latter end of last year. No official information can be given, but it seems quite possible that the complaint, which was lodged by a British maker, will be dropped or may be ruled out by the Government department owing to the time that has elapsed.

ACETONE is now quite steady, and a fair business and inquiry has been on the market, with the price at £117 to £118 per ton, in drums, for British Government specification material.

ALUM is offering on spot, with little doing, at £10 10s. per ton and upwards, in bags.

AMMONIUM (ANHYDROUS).—Business so far this season has not been up to its usual standard, and is probably due to the cold weather. The price is steady at 1s. 5½d. to 1s. 6d. per lb. for 99.95 per cent.

ARSENIC.—The state of the market is the subject of rather conflicting comment. In some quarters the demand is said to be very slow in anticipation of a further downward adjustment in prices, but elsewhere it has been stated that at the somewhat reduced rates taken lately for white Cornish powder, the market has been rapidly cleared and that there have been more buyers about, while the trade is rather short of stock. Quotations for Cornish now range from about £70 to £71 per ton, delivered free on rail.

BLEACHING POWDER has met with little business, with importers asking the same figures as quoted last week—£9 10s. to £10 per ton on spot and £8 10s. f.o.b. Continent.

COPPER SULPHATE.—The recent further severe slump in the price of rough bar copper has not been without influence on the demand for sulphate, and business has been spasmodic on export account, although it is understood that quite good shipments continue to be made against the large orders that were secured in the early months of this year. Prices have been easier under keen competition at around £26 10s. per ton f.o.b. for casks, although some makers are still asking £27. The home trade demand has not as yet developed much life.

CREAM OF TARTAR has met with a fair demand, and the price, due to the firmer tone on the Continent, is likely to move up to 95s. per cwt., but business might still be done at 92s. 6d. for good quantities of B.P. quality.



**ESOM SALTS.**—Commercial quality is offering at £5 to £5 5s. per ton, in bags, but little is being taken up.

**FORMALDEHYDE** is very healthy, with not much about on spot; the price is firm at £90 to £92 per ton for 40 per cent. volume, ex wharf, London.

**LEAD ACETATE** has been well inquired for on a speculative market, but there is very little about, and holders are firm at high rates. Brown, up to £42 10s.; white crystals, £43 to £44 per ton; offers from the Continent are scarce and at much dearer prices.

**LITHARGE** is steady and has been in fair request, with importers quoting this and red lead at about £36 per ton, c.i.f. London.

**LITHOPONE** seems likely to hold firm at its present level and may/advance to higher rates than £23 per ton for 30 per cent. Continental red seal.

**OXALIC ACID** is a doubtful market and dealers' quotations at about 6½d. per lb. can only be taken as nominal.

**POTASH CAUSTIC.**—The easier tendency commented upon last week has materialised, and this week spot 88-92 per cent. solid, in drums, is offering at the cheaper rates of £33 10s. to £34 per ton.

**POTASSIUM CARBONATE.**—At the slightly easier prices mentioned in the last report, a better business has been done. Competition for business is, however, still keen: 90-92 per cent., about £29; 96-98 per cent., about £32 10s. per ton.

**POTASSIUM CHLORATE** is offering on spot at 3d. per lb., but there is nothing like a good demand.

**POTASSIUM PERMANGANATE** is a good market, and holders of spot supplies, who are limited, are firm at their offers of about 10d. to 10½d. per lb.

**POTASSIUM PRUSSIAN** is a market that has certainly weakened. Various reports quote different prices, with some as low as 1s. 7½d., others at 1s. 8d. and 1s. 8½d. per lb. Any business about would probably be at or near the cheaper figure given. Red is unchanged at 2s. 6½d. per lb.

**SALTCAKE** is firm, with plenty of inquiry for export. Prices: home trade, about £5 per ton, delivered, and £5 5s. to £5 10s. for export, f.o.b.

**SAL AMMONIAC** has been selling fairly well in smallish lots, with the prices for spot material showing no change on the week. Dog-tooth crystals, 49s.; medium, 45s.; fine white crystals, 29s. per cwt.

**SODA CAUSTIC.**—Dealers report business still very small, with their prices at: 70-72 per cent., £19 10s.; 76-77 per cent., £21 10s. per ton, ex wharf, shipping port. British makers quote to domestic consumers on contract from £19 to £21 per ton, in drums, carriage paid.

**SODIUM ACETATE** is perhaps a shade firmer, with importers asking about £25 per ton for shipment.

**SODIUM BICARBONATE** from British makers' for home trade is unchanged at £10 10s. per ton, in bags, carriage paid to destination.

**SODIUM BICHROMATE** is steady from the British makers at 4½d. per lb for home trade, and slightly more for export.

**SODIUM CARBONATE** (washing crystals) for home trade only from British makers is level on the week at £5 5s. per ton, in bags, carriage paid to destination. Importers are selling at competitive prices ex store.

**SODIUM CHLORATE** is steady at the unchanged figure of 2½d. per lb., but there is not much doing.

**SODIUM HYPOSULPHITE** continues to meet with moderate demand, with pea crystals at about £16 per ton, in 1 cwt. kegs, and commercial at about £10 10s. per ton, in casks.

**SODIUM PRUSSIAN** is easier this week, with the cheaper rates of 7½d. to 8d. per lb. now being asked.

**SODIUM SULPHIDE** is only in occasional small demand, with dealers offering 60-62 per cent. solid at £14 10s. to £15, and broken at £15 5s. to £15 10s. per ton, in drums; 60-65 per cent. concentrated, £15 per ton, in casks.

**COAL TAR PRODUCTS, ETC.**—Pitch continues to move towards much lower levels, with little doing. Solvent naphthas are once more a shade cheaper. Carbolic acid crystals are returned at lower rates. Other products are unchanged, but the general tone of the market is dull and none too steady. **ANILINE OIL** and **SALT** remain at 10d. to 11d. per lb., packages free, with the demand

slow. **BETANAPHTHOL** is occasionally called for, quoted in the region of 1s. 2d. per lb. **PITCH** in **LONDON** is returned to-day at 145s. per ton, but this price is nominal, with the probability of still lower prices to come. **Pure METHYL-ALCOHOL** is very steady, and few spot stocks on hand have been inquired for, quoted steadily at £100 per ton. **CARBOLIC ACID** crystals are steady at the slightly cheaper price of 1s. 5½d. per lb. **CREOSOTE OIL** is a healthy market, with no change in the quoted price of 10d. per gallon, naked, f.o. **CRESYLIC ACID** is returned at 2s. 3d. per gallon, with market quiet. **PYRIDINE** has moved up to still higher figures for spot, and is now firm at 14s. per gallon, London. **HEXAMETHYLENE.**—The selling price is maintained at 4s. to 4s. 3d. per gallon on spot. **DISTILLATES** are steady but in no great demand at 3s. per gallon, barrels free. **NAPHTHALENE** holds quite a steady market, and has met with fair sales at about £20 per ton; crude, £7 to £13; crystals, £20; powder, £17 10s.; tablets, £24; crystals, £20; candles, £28 per ton, packages free.

### Fixed Oils, etc.

**BUSINESS** has been on a much smaller scale all round the week, but so far the spot position generally is but little changed. **LINSEED OIL** and **TURPENTINE** have been dull, and are at lower rates. **Acid oils**, **coconut** and **cottonseed** have been much quieter. **ACID OILS.**—The market has been persistently quiet and a further slight reduction is recorded: coconut, 38s. 6d.; palm kernel, 38s. 6d.; groundnut, 38s. 6d. **HULL** prices are returned unchanged on a steady market; pharmaceutical, 61s.; first pressings, 54s.; second pressings, 55s., in not less than one-ton lots. **COCOA OIL.**—There has been a quiet tone and prices are inclined to be irregular; deodorised, 51s. 6d.; Ceylon, 45s. 6d.; Cochin, 51s. **COTTONSEED OIL.**—There has only been a small volume of business done; so far prices are maintained about last week's level; deodorised, about 49s.; comestible, 45s.; soapmaking, 43s. to 43s. 3d.; crude 39s. **GROUNDNUT OIL.**—Business has slowed down, but prices are maintained; deodorised, about 52s.; crude Oriental, 45s. c.i.f. **LINSEED OIL** (raw, naked).—The tone for some days on the firm side, but latterly the market has been much quieter; prices finish the week at about unchanged rate with a slightly easier tendency; on spot, 44s. 6d.; May-August 39s.; September-December, 37s. 4½d.; Home on spot, 41s.; May-August, 40s.; September-December, 37s. 3d. **PALM-KERNEL OIL.**—The tone continues steady with the market dull; prices are unchanged; deodorised, 47s.; crude, about 42s. **PALM OIL.**—There is a very steady feeling and a fair business has been done; prices have shifted little range all the week; Lagos, about 36s.; deodorised, 35s.; hards, 36s. 3d. **RAPE OIL** is steady, with little doing of late; refined, naked, 46s. 6d.; in barrels, 49s.; crude, 43s. 6d., naked. **SOYA BEAN OIL.**—Deodorised on spot is about 49s. to 50s. in barrels, and crude Oriental, at 41s. 6d. c.i.f. **TURPENTINE (AMERICAN).**—There has been good business during the week, and the market has moved to lower prices and was very irregular at the close of the week. On spot, about 113s. per cwt.; June, 9 July-December, 75s. 3d. **Total London stocks** are down about 4,000 barrels. **WOOD OIL.**—Hankow in barrels is quoted on spot at the cheaper price of 118s.; May-June, 89s. **LUBRICATING, MINERAL AND BURNING OILS.**—Lubricating are not so steady, although there is as yet no definite change in spot values. **Solvent naphthas** show a further slight weakness. Other products, which have mostly been dull, are turned at unchanged rates. **BENZOL** has been little called for; makers continue to quote at 1s. 7d. per gallon, f.o. works, in buyers' packages. **BURNING OILS.**—Crude No. 8d.; No. 3, 8½d. per gallon, barrels free. Prices are returned unchanged on a quiet market. **FUEL OILS.**—385 to 910 gravity, £4 2s. 6d. per ton; 950 gravity, £3 10s. per ton, ex tank. No change to record. **SOLVENT NAPHTHAS** have been weak and dull for some time, and a further slight decline is recorded this week. 90 to 160 is now at 1s. 5d., and 90 to 190 at 1s. 4d. per gallon (drums extra). **PARAFFIN AND SCALE.**—Wax holds very steady at 2½d. to 3d. per lb., with some business about. **Scale** is at level rates of at 1½d. per lb., ex wharf, London. **PETROLEUM OILS.**—American water white, 1s.; American prime white, 11d. per gallon in barrels. **Russian prime white kerosene** continues to be in good demand, with prices very steady at 6½d. to 7d., buyers' barrels, filled free; and 10d., barrels free, ex wharf, London. **PETROLEUM JELLIES** are now quoted steady. **Snow white**, £64; **white B.P.**, £60; **yellow**, £29 to £32; **red vet**, £20; **ruby red**, £21; **dark stiff grease**, £13 per ton, ex wharf, London. **SPECIAL OIL** for **Diesels** and **tractors**, 10d. per gallon, barrels free. Market is steady



old price. WHITE OILS.—Special No. 1, £42; No. 1, £36; 1A, half-white, £30 per ton, drums free; No. 2, in reds, £26 per ton, ex wharf, London. LUBRICATING OILS.—Our last report there has been a further decline in Pennsylvania crude of 25 cents, and in mid-Continent 10 cts. Buyers are bidding lower prices in view of this fall, it is surprising how the shipment market keeps up, especially in filtered cylinders. The abnormal rates asked for tank steamers preclude any reduction in price for red pale oils. Spot prices quoted are, so far, unchanged. Whites, £10 15s. to £25; reds, £13 10s. to £25 10s.; dark reds, £15 to £19; filtered cylinders, £19 10s. to £32; cks, £7 10s. to £15 per ton, ex wharf, London, less 2½ per ct.; soluble oil, £19 per ton, net. No. 1 RUSSIAN OIL keeps good demand, and the price is quite steady, as quoted at £10s. per ton, ex wharf, London, less 2½ per cent.

The 1923 Otto of Rose Crop

Outlook of the crop is promising. The rose bushes have sustained little, if any, damage from the long and severe winter, thanks to the heavy falls of snow. A cold snap in the early part of April, which damaged the rose bushes in the lowlands, has delayed the crop by at least ten days. Last year's rose harvest began on May 16. This year it will probably begin before May 25. Since April 10 the rose bushes have been favoured with ideal weather. The general expectation is that the 1923 crop, if not larger, will be as good as last year's. Should the weather during the entire distillation period be propitious, the new crop is bound to be superior in every respect to the crop 1922. As all last year's crop was sold, the demand for flowers is bigger and the price will be higher, especially as rose flowers in Grasse have advanced 150 per cent. (from 1 franc to 2½-3 francs) per kilo. The flowers realised last year 5 leva, equal to 40 French centimes. This year the price will certainly be 50 centimes—5 times less than the price of the Grasse rose flowers. The slight advance is reasonable, and aims to encourage better care of the rose plantations. We do not expect any big advance in the price of the new otto. From another source we are informed that the distillation of the new roses is in progress under favourable climatic conditions. But the new crop is stated to be less abundant than the preceding year. Moreover, the high cost of fuel and labour, the recovery of the Bulgarian leva, due to the reduction of their reparation debt, and the increase in ports, indicates considerably higher prices. Already, one important house of distillers have fixed their purchases of roses at a price 50 per cent. higher than last year, and have fixed 6 levas per kilo for roses, for which previously they paid 4 levas. Under the auspices of the agrarian Government, there are being formed in the villages co-operative societies of the producers of otto of rose. These societies will be accorded special privileges, and will receive both moral and financial support from the State Bank. The object is to enable them to supplant the present export merchants, themselves to govern future markets, and to control the price of otto of rose, both at home and abroad. Competition will thus be suppressed, and, as may be supposed, the effect will not be to the advantage of either merchants or consumers.

French Flower Crop

The following report of French flower crops and oils have been received:—Rose.—The price paid last year for petals was 1 fr. per kilo. The official price for petals for the 1923 crop was fixed at 3 fr., but actually 3.30 fr. has been paid. The price quoted for rose absolute in one well-known quarter at the source is 4,200 fr. per kilo. In 1922 for *jasmin* flower 6 fr. per kilo was paid. This year from 9 fr. is the price. There is not a great deal being reduced, and holders are not at all anxious to sell, as they expect improvement in value later. Meantime, for absolute *jasmin* 7,000 fr. per kilo is quoted. Both the *parma* and *Victoria violet* crops have been small this year. *Parma violet* has been difficult to obtain, owing to the demand for confectioners' use. But sufficient of the *Victoria violet* has been obtained to cover requirements. The *jouquil* crop is small, and for the blossoms the high price of 14 fr. per kilo has been paid. There was a drop in the price of *Neroli* flowers, the price paid being 2.50 fr. per kilo. The oil will therefore be cheaper at the beginning of the season, at any rate. The crop, however, may be less important than was at first thought likely, owing to the fact that difficulty was experienced in dealing with the quantity of flowers, which were brought on too quickly by the spell of fine weather. *Neroli* at the source may be obtained at 1,400 fr. per kilo.

London Drug Auctions

Commercial Sale Rooms,  
Mining Lane, E.C.3. May 31.

AFTER an interval of ten weeks an auction was held to-day, when fourteen brokers brought forward moderate supplies. The demand was, however, poor, and the bulk of the goods passed the hammer unsold; the chief demand was for Matto Grosso ipecacuanha, cardamoms, grey Jamaica sarsaparilla, and honey. Aloes and benzoin were neglected. Buchu sold at slightly easier rates. Cardamoms were in good demand at irregular but generally steady prices; small sales of gamboge were made at steady rates. Only Jamaica honey sold, at an irregular decline of about 7s. 6d per cwt. on good qualities. Cuban and other descriptions were neglected. Matto Grosso ipecacuanha was in good demand at about steady rates; no Cartagena or Minas offered. Kola sold cheaply, mostly without reserve. Myrrh was neglected. New orange peel of good quality brought full prices. Rhubarb met with a small demand at steady rates, and for grey Jamaica sarsaparilla, which is now plentiful, a reduction of 1s. to 1s. 6d. per lb. was paid, but quality was a little below standard; native Jamaica was neglected. Senna only sold very sparingly at unaltered rates, and bees' wax was quite neglected. The following table shows the quantity of goods offered and sold:—

	Offered	Sold		Offered	Sold
Aconite root	41	0	Honey—		
Adonis herb	63	0	Calif.	156	0
Almond oil, c.s.			Cuban	323	0
(bo.t)	11	0	Hawaiian	20	0
Aloes—			Jamaica	1120	106
Cape	(cs.) 46	0	New Zealand (cs.)	40	0
	(tins) 36	0	P. Rico	15	0
Curacao	(cs.) 81	0	San Domingo	28	0
Zanzibar	(cs.) 2	2	Trinidad	161	0
Ambergris	(oz.) 32½	25½	W. Indian	2	0
Ammoniacum (cs.)	47	0	Ipecacuanha—		
Anise, star	(cs.) 20	0	Matto Grosso	43	31
Asaetida	43	0	Jaborandi leaves	69	0
Balsam, African	5	0	Jalap	8	0
" Peru	2	0	Jambul bark	12	0
" Tolu	5	0	Jambul seed	21	0
Bay oil	2	0	Kaula	33	0
Belladonna root	12	0	Kola	153	48
Benzoin			Lavender flow.	30	0
Palimbang	10	0	Lime oil	1	0
Siam	31	0	Lime tree flowers	20	0
Sumatra	285	11	Liquorice jui		
Buchu	56	2	(sticks) (cs.)	20	20
Calamus root	105	20	Liquorice root	219	0
Calumba	300	0	Lycopodium	17	0
Camphor oil, white			Manua	1	1
(cs.)	50	50	Matico	29	0
Canella alba	10	2	Musk seed.. (cs.)	5	0
Cannab. ind.	35	0	Myrrh	164	12
Cantharides (Russ.)	6	0	Nux vomica	135	9
Cardamoms	419	219	Olibanum	269	0
Cascara sagrada	150	0	Orange peel	161	4
Cascarilla	17	0	Orchella weed	40	0
Cashew nuts	8	0	Orris (Flor.)	18	0
Cassia fistula	90	0	Potash alum	28	0
Celery seed	38	0	Potash bromide	43	0
Cevadilla seed	8	0	Quillaia (cut)	20	0
Chaulmoogra oil	4	0	Quince seed	5	0
Chillies	125	0	Rhatany root	24	0
Chiretta	27	0	Rhubarb (Ch.)	176	16
Cinchona	123	0	Sage leaves	88	0
Civet	(hru.) 4	0	Salep	1	1
Colocynth	2	0	Saudarac	19	0
Coriander oil (tins)	42	0	Sarsaparilla—		
Coriander seed	37	0	Grey Jamaica	29	13
Croton seed	30	0	Native Jam.	49	2
Cubeb	30	0	Scammony root	60	0
Cumin oil (botl)	2	0	Senna and pods—		
Cuscuta root	1	1	Alex.	71	15
Dill seed	24	0	Timuevelly	430	54
Dragon's blood	38	0	Serpentary	6	0
Elemi	(cz.) 77	0	Sodium bromide	5	0
Ergol	58	0	Squill	25	5*
Eucalyptus oil	10	0	Stramonium	1	0
Fennel seed	114	10*	Strophanthus	12	0
Frangula bark	27	0	Tamarinds (Aut.)	20	0
Galangal	40	0	Tonka beans	8	0
Galbanum	4	0	Tragacanth	8	0
Gamboge	24	1	Turnerie	260	0
Gualacum	33	0	Wax (bees)—		
Guarana	4	0	Abyssinian	89	0
Gum acacia	192	12	Benguela	37	0
Gum ghatti	101	0	East African	167	0
Gum karaya	50	0	East Indian	47	0
Gurjun oil (dms.)	50	0	Jamaica	10	9
Henna leaves and powder	95	0	Morocco	2	2*
			Zanzibar	496	6*
			Wormseed	20	0

\* Sold Privately.



**ALMOND OIL.**—A lot of 11 bottles (1 kilo. each) natural bitter offered without reserve, but there were no bids.

**ALOE.**—Two cases of good fair softish hepatic Zanzibar, in skins, sold at £6 10s. per cwt.; 41 cases and 36 tins Cape were bought in. Good bright firsts were held at 40s. per cwt.

**AMBERGRIS.**—Three packages offered weighing 32½ oz. and 29½ oz., sold at from 62s. 6d. to 65s. per oz.

**ANISE, STAR.**—A parcel of 20 cases fair Chinese was offered and bought in at 57s. 6d. per cwt.

**BALSAM PERU.**—Two cases (53 per cent. cinnaein) offered at 7s. per lb.

**BENZOIN** was quite neglected. Eleven cases good fair almondy Sumatra seconds sold (part privately) at £8 15s. per cwt. Good almondy seconds were retired at £9 2s. 6d.

**BUCHU.**—A lot of 20 bales mostly small round greenish more or less stalky were offered and bought in at 3s. per lb. From another catalogue two bales sold at 2s. 11d. per lb. for fair green round slightly stalky, being 1d. easier.

**CALAMUS ROOT.**—For twenty bags small peeled, offered without reserve, 2s. 6d. per cwt. was paid if pay charges.

**CALUMBA.**—A lot of 100 bags small to bold slightly wormy sorts were offered and held at 7s. 6d. per cwt., and a further 200 bags of small to medium part wormy were limited at 5s. per cwt.

**CAMPHOR OIL.**—A parcel of 50 cases white essential Japanese sold at 70s. per cwt. subject to sellers' approval.

**CANELLA ALBA.**—A lot of two bales rough quilly was sold without reserve for account of whom it may concern at 1s. 6d. per lb.

**CANNABIS INDICA.**—Four cases fair Bombay tops were bought in at 17s. per lb.

**CANTHARIDES.**—Six cases rather dusty Russian flies were bought in at 6s. per lb.

**CARDAMOMS** were in good demand at irregular prices, the following rates being paid:—Ceylon-Mysore, fine long pale, few split, 5s. to 5s. 4d.; extra bold good pale bleached, 4s. 3d. to 4s. 5d.; medium to bold palish to pale, 3s. 9d. to 4s. 1d.; medium palish to pale, 3s. 3d. to 3s. 8d.; small and medium palish to pale, 2s. 11d. to 3s. 1d. Splits, good bold pale, 3s. 10d.; medium pale, 3s. 5d. to 3s. 8d.; brown and split, 2s. 10d. to 3s. 1d. Decorticated seed, part split, 4s. 1d.; pale seed, 4s. 3d. to 4s. 4d. Indian, bold long pale, 5s. 6d. to 5s. 7d.; bold palish, part specky, 4s. 3d. to 4s. 7d.; medium to bold ditto, 3s. 11d. to 4s.; small to medium, 3s. 6d.; brownish split, 4s. 4d.; medium, 3s. 7d.; small brown and split, 3s. 7d.; bold palish split, 4s. 9d. to 4s. 10d.; medium, 3s. 10d.; small, 3s.; seed, 4s. 4d. Mangalore character, bold round pale, 5s.

**CASCARA SAGRADA.**—A parcel of 175 bags three years old of fair quality was held at 72s. 6d. per cwt.

**COLOCYNTH.**—Two cases small to medium dull partly broken apple were offered and bought in at 1s. 8d. per lb.

**CROTON SEED.**—A lot of 25 bags good bright Ceylon offered and retired at 30s. per cwt.

**CUSCUS ROOT.**—A single bale of fair from Coconada sold at 30s. per cwt.

**DRAGONS' BLOOD.**—Six cases of thick dull damp reed were held at £19 per cwt., and a bid of £15 is to be submitted for part.

**ELEMI.**—A lot of 23 cases fair seconds offered and bought in. Private sales have been made at 40s. per cwt.

**EUCALYPTUS OIL.**—Only ten cases offered and bought in at 1s. 3d. per lb. for slightly yellowish 66 to 67 per cent. eucalyptol, the limit being 1s. per lb.

**GAMBOGE.**—A single case of Siam pipe of fair bright orange fractional slightly blocky sold at £22 per cwt.

**GURJUN OIL.**—Fifty drums were held at 10d. per lb.

**GUM ACACIA.**—A parcel of 12 bags good small to bold glossy Sudan sorts sold at 70s. per cwt. A lot of 101 bags, including partly middling Ghatti, were held at 45s. per cwt.

**HONEY.**—The demand, which was practically confined to Jamaica, was fair, owing to sellers meeting buyers. Pale set white were in some instances as much as 7s. 6d. per cwt. lower, and the middling and lower qualities 2s. 6d. to 5s. cheaper. The following prices were paid:—Good white set Jamaica, 53s. to 58s.; cream set, 45s. to 52s. 6d.; pale setting, 40s. to 45s.; pale amber liquid,

50s.; amber liquid, 37s. 6d. to 38s.; and dark amber liquid, 35s. to 38s.; only oddments sold at 25s. per cwt.

**IPECACUANHA** was about steady. The auction opened with the offering of 23 bales Matto Grosso, white sold at from 6s. 10d. to 6s. 11d. per lb. (one lot 7s.) fair bright leanish, and for slightly mouldy 6s. 8d. to 6s. 9d. per lb. was paid. A further lot of 10 bales Matto Grosso also sold at 7s. to 7s. 1d. for fair leanish green good stout and 6s. 9d. to 6s. 10d. for water-damaged a wrapper-stained. Privately a very fair business has lately been done in Matto Grosso from importers' hands at 7s. per lb. Cartagena is still quite unobtainable on the spot.

**KOLA.**—A lot of 29 bags, in small lots, West Indian set without reserve at from 1d. to 2d. per lb. as to quality, further lot of 16 bags small dull and part mouldy West Indian sold at 1½d. per lb., subject to sellers' approval.

**LIME OIL.**—For a single case of West Indian distilled part alleged 7s. per lb. was wanted.

**LIQUORICE JUICE.**—A lot of 20 cases small Italian stick somewhat out of condition and apparently not genuine sold without reserve at 7s. 6d. to 9s. 6d. per cwt.

**LIQUORICE ROOT.**—Twenty bags fair decorticated offered and held at 67s. 6d. per cwt.

**LYCOPodium.**—Ten cases fair were bought in at 2s. per lb.

**MANNA.**—One case of yellow flake sold without reserve for account of whom it may concern at 3s. 6d. per lb.

**MUSK SEED.**—A lot of 5 cases fair from Seychelles was retired at 1s. per lb.

**MYRRH.**—Two bags of good pale slightly blocky Aden sorts sold at £7 per cwt., and for two bags dark pickin 21s. per cwt. was paid without reserve.

**NUX VOMICA.**—A lot of 60 bags, consisting partly of fair bright Cochin and Calcutta, was retired at 27s. per cwt. and for fair bright Coconada 24s. was wanted.

**ORANGE PEEL.**—New crop Tripoli strip offered, of which four cases sold at 1s. per lb. for good bright; fair value available at 10d.

**ORCHELLA WEED.**—A lot of 40 bales fair was retired at 12s. per cwt.

**ORRIS.**—A parcel of 18 bags dullish Florentine sold offered, and held at 35s. per cwt.

**QUINCE SEED.**—Five bags fair small East Indian was offered and held at 3s. 6d. per lb.

**RHUBARB.**—The chief sales were without reserve, and were as follows: Three cases medium flat, medium round and bold round Canton sold at 2s. 9d. to 2s. 10d.; 12 cases rough round High dried at 1s. 8d. to 1s. 9d. per lb. two-thirds grey and dark and one-third pinky.

**SALEP.**—A single bag of fair sold at 3s. 9d. per lb.

**SARSAPARILLA.**—Grey Jamaica was from 1s. to 1s. per lb. lower, 13 bales selling at from 2s. 4d. to 2s. per lb. for fair sound, and at 1s. 11d. for part mouldy and wormy. A good supply of Native-Jamaica offered, only 2 sold at 1s. 6d. per lb. dull mixed red sea-damaged good red press-packed was held at 1s. 10d. per lb.

**SENNA** met with a small demand at unaltered rates, nine bales of medium to bold greenish Tinnevely 1 sold at from 4d. to 4½d., and 33 bales of common dull yellowish realised 2½d. per lb.; 12 bales ordinary dull Tinnevely pods sold at from 3½d. to 4d. per lb. Alexandrian the offerings included 33 bales, of which pods were sold at from 9½d. to 9¾d. for fair pale, 18 bales darkish Mecca pods were bought in at 9d.

**SERPENTARY.**—Six bags were limited at 4s. 6d. per lb.

**TAMARINDS.**—A lot of 20 packages fair palish Antigua offered and were held at 22s. 6d. per cwt. in bond. "Songster" has brought 525 barrels from Barbados 178 packages from Antigua.

**TURMERIC.**—A parcel of 129 bags fair Cochin split offered and held for 20s. per cwt.

**WAX, BEES'.**—Of Jamaica 9 packages offered and at £6 15s. per cwt. for fair mixed colours.

**DUTY ON SUGAR IN MOROCCO.**—The Official Bulletin of the Sherifian Empire publishes a decree establishing duty on sugar at 65 francs per 100 kilograms, and the rate is applicable to syrups, candied fruits and sweets. In the case of products containing sugar as an admixture and not as the principal constituent, the duty will be charged on the actual amount of sugar present, as determined by the official laboratory, against which there is no appeal.





### Prescriptions for Dangerous Drugs

—I desire to point out that the General Medical Council and the Dental Board, both of which have their offices at this address, are anxious to assist pharmacists in dealing with prescriptions or other orders for preparations scheduled under the Dangerous Drugs Act, and will always be glad to answer inquiries as to whether persons whose names and addresses are not found in the current "Medical Register" or "Dentists Register" are, in fact, registered medical practitioners or dentists. It is more convenient if inquiries are made in writing, as there is less chance of misunderstanding; but in cases of urgency they may be made by telephone. The answers by telephone are always confirmed from this office in writing. It is desirable that inquiries as to medical practitioners should be addressed to the Medical Council, and as to dentists to the Dental Board, because these two bodies, although occupying the same building, are entirely distinct.

Yours faithfully,

NORMAN C. KING, Registrar.

Hallam Street, London, W.1.

### What Rome Does Not Know

—In his interesting account of a visit to Italy last week's *C. & D.* (p. 743), Mr. J. D. Marshall writes that during the first night of his stay in Rome he was "bothered by a revolving light and could not make out why they wanted a lighthouse." The explanation of this puzzle is that, after the Great War, some years ago, a monument in the shape of a lighthouse was erected on the Janiculum by the liberated Italian provinces. It was intended, by continuously flashing the three national colours, to be a constant reminder of the heroic deeds and sacrifices of war. Yet Mr. Marshall tells us further: "No one at the hotel could explain, but afterwards I found it was the Marconi station at the top of the Janiculum." How useless our materials are!—Yours faithfully,

V. COFMAN.

### Irish Ph.C.'s and R.D.'s

—Adverting to letter on the druggist question in last week's *C. & D.* (p. 752), I quite agree with what he says as to the origin of the "druggist" in Ireland and of the "pharmaceutical chemist," the former the successor of the old apothecary—a general dealer the latter. It would be well if the Council of the Society would bear in mind this *fons et origo*. I should be glad, as a member of the Society, to see the druggist grade abolished; on the discussion thus far there is no solution. Were I a druggist I would take the opportunity of advising separation from the Society, founding one of their own, getting fullest powers and being entitled to. It may be a rough grade is necessary yet in Ireland. Concluding, I would like to say a few things: (1) Members of Council, remember whom you represent; you have been elected to protect interests. I would also say deliberately that the Galen Lodge does not promote friendship between druggist and pharmacist, but it cannot convert a druggist into a pharmacist—no money payment won't do it.—Yours sincerely,

ULSTER SCOT (29/5).

—The *C. & D.* of last week (May 26, p. 752) contained the welcome explanation that, under the proposed new legislation, registered druggists who do not wish to bother about pharmacy are to be allowed to remain as such. Notwithstanding the handsome profits subscribed by the Dublin Drug Association, I am doubtful if I would touch pharmacy with a forty-foot pole, not by means of the "slippery plank" mentioned in the *Pro Tanto Quid Retribuamus*. Your correspondent must be aware that there is a much easier method for

a druggist or anybody else to enter pharmacy, and that is by forming a limited company. How the retention of the druggists would act as a "buffer" against "unqualified drug sellers" is not quite clear. Individual English pharmacists could tell a sad tale of how an "unqualified drug seller" was able to open and control scores of retail pharmacies. A glance through the R.D. examination papers set during recent years would convince anybody that rather more than "a small test regarding drugs" is necessary to get through that examination. And the paper portion is the easier part. In my letter of last week you left out a sentence which should come third from the end. It was: "They do not like to oppose these licences, owing to the local animosity which would ensue."—Yours faithfully,

R. D. (30/5).

### A Pharmacopœia Correction

SIR.—In the list of corrections printed in the *C. & D.*, April 28, p. 571, there is one referring to the ash of ginger which is not free from ambiguity. In the B.P. as issued the last sentence in the ginger monograph is as follows:—

Ash not more than 6 per cent.; and, after deduction of that portion of the ash which is soluble in water, not more than 1.5 per cent.

In March 1920 the General Medical Council made a correction so that the last nine words are as follows:—

Insoluble in water, not less than 1.5 per cent.

Now the same authority corrects the correction as follows:—

Soluble in water, not less than 1.5 per cent.

In the face of this involved sentence, it is difficult to say how much of the ash of ginger is soluble in water and how much insoluble. Also, does the correction include pulv. zingiberis, which is a different article, owing to the fact that the whole of the ginger cannot be reduced to powder?—Yours faithfully,

ABEL SCHOLAR (28/5).

### Conditions in South Africa

SIR.—I read with interest the letters by various writers upon the subject of "Unemployment in the Drug-trade," especially that of "T.B. Qualified" in your issue of March 31. Owing to the conditions prevailing, many young pharmacists will be tempted to look further afield for employment. I would therefore issue a warning to all such, and at the same time give comparisons which will show that conditions in the Colonies are as bad or even worse than those quoted by your correspondent. Advertisements often appear in your Coloured Supplement offering posts in Africa at salaries which appear tempting. An intending applicant should first ascertain the conditions prevailing before accepting any such offers, otherwise he may find himself worse off than ever, and unable to make both ends meet, besides having to contend in many cases with adverse climatic conditions. I heard the other day of young chemists arriving in the Transvaal and Rhodesia, having signed agreements at the princely salary of £25 per month. This salary may seem desirable when compared with wages in Britain, but in Africa, especially in the Northern parts, it is little more than a starvation wage, as the following list of wages paid to other callings will show: Junior clerks £300 to £336, senior clerks £600, per year; shop assistants (grocers and drapers), £35 to £49 per month, while managers of such establishments are paid £50 to £69 per month; firemen, £27; drivers, £40 per month (these are able with overtime to earn up to £60). The chemist does all the dispensing, for which very remunerative prices are paid by the public. The managers of pharmacies are often paid £75 per month and upwards. I should like, therefore, to warn those who look to this Colony for employment upon no account to accept an engagement until the conditions have been ascertained, and the salary offered proved to be a living one, affording hope of being able to save for the return to Britain.—Yours faithfully,

ONCE BITTEN (30/4).



## Legal Queries

**W. T. (22/5).**—(1) A mixture containing chloral hydrate is a "preparation" of chloral hydrate, and in Ireland is a poison within the meaning of Part II. of the Schedule to the Sale of Poisons (Ireland) Act, 1870. (2) Pills containing phosphorus in the free state and extract of *nux vomica* are also "poisons" under Part II. of the Schedule in Ireland.

**R. D. A. (25/5).**—Bath salts are not liable to medicine-stamp duty if (1) they are entire drugs or (2) are compositions for compounding an artificial mineral water. As the bath salt you mention contains sodium bicarbonate and soap it does not, in our opinion, come within the exemptions, and owing to the recommendation for the cure of corns is liable to medicine-stamp duty.

**P. H. (8/5).**—The Cocaine and Opium Regulation 40a was repealed on September 1, 1920, when the Dangerous Drugs Act came into force. Ung. gallæ c. opio is excluded from the Dangerous Drugs Act by Regulation, and sales of this preparation are not required to be entered in the register of sales of "dangerous" drugs. The ointment is a poison within the meaning of Part II. of the Schedule to the Sale of Poisons (Ireland) Act, 1870, and requires labelling "Poison."

**C. N. (25/5).**—(1) The handbill you send makes the cough mixture referred to liable to medicine-stamp duty, owing to the recommendation for "dry coughs, obstinate coughs, colds, bronchitis and all chest, throat and lung troubles." (2) The label for "prepared honey" does not disclose liability to medicine-stamp duty, but as the article appears to be medicated for use as a cough mixture it is probable that the title would be a misdescription under the Merchandise Marks Act.

**A. L. (22/5)** owns a combined house and shop in a country town. The premises were let in August 1914 at a rent of £85 a year, and the rateable value at that time was £72 5s. "S.P.F." wishes to obtain possession of the premises; are the tenants entitled to the protection of the Increase of Rent Act, 1920? [As the rateable value on August 3, 1914, did not exceed £78, the tenants are at present entitled to the protection of the Act. Their position under the new legislation which will follow the expiration of the present Act remains to be seen.]

**Insured (22/5)** took out a policy in October 1902, when he was thirty-nine years of age, the insurance money to be payable upon his attaining the age of sixty or dying previously. His age has been admitted and marked on the policy and the premiums have been paid regularly. It is stated on the policy that the company will pay the insurance money on October 13 next; but "Insured's" sixtieth birthday was in April last. When is the money payable? [If the policy expressly provides for the payment of the insurance money on October 13 it is not payable before that date.]

**H. M. H. (28/5).**—The Irish qualification of pharmaceutical chemist is not recognised in Great Britain as enabling the holder to "keep open shop" in accordance with the provisions of the Pharmacy Acts. It follows, therefore, that you could not come to England and contract for dispensing with an Insurance Committee, as the Committee may only employ qualified chemists to do dispensing for insured persons. Provision is made in the Pharmacy and Poisons Act for companies which wish to carry on "the business of a chemist and druggist," but the qualified person must be a *bona fide* manager and not, as you suggest, a "cover."

**A. C. W. (26/5).**—Sales of "dangerous" drugs below the limits (1 of morphine in 500, and 1 of cocaine in 1,000) of the Dangerous Drugs Act need not be registered either under the Dangerous Drugs Act or the Pharmacy Acts. Preparations containing "dangerous" drugs below the limits of the Dangerous Drugs Act are poisons within the meaning of Part II. of the Poisons Schedule of the Poisons and Pharmacy Act. Purchases of "dangerous" drugs should be entered in the register provided for the purpose, and it is for you to show if required, that the alkaloids have been used in dispensing or in proprietaries in quantities below the Dangerous Drugs Act limits.

## Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

**J. H. (9/5).**—**ESSENCE OF COFFEE.**—The following formula can be taken as a basis of experiments directed towards the preparation of a superior essence:—

Freshly-ground coffee	...	...	2 lb.
Freshly-ground chicory	...	...	2 lb.
Boiling water	...	...	1 gal.

Mix, cover, and keep warm for two hours, strain, press, and add 20 gr. of salicylic acid to the liquor, which set aside. Reinfuse the marc in a gallon of boiling water for an hour, press, and strain. Evaporate this liquor to make 6 pints with the reserve. Dissolve in it 4 lb. of sugar and 10 oz. of caramel. If the water used is hard, add 20 gr. of sodium carbonate to each gallon.

**P. W. & Co. (22/5).**—**BOOK ON SOLUBLE ESSENCES.**—Walter's "Manual for the Essence Industry." (Chapman & Hall, 24s.)

**H. G. & Co. (24/5).**—**PRESCRIPTION PRICE.**—The price for the hair lotion prescription on the C. & D. Costing System is 14s. 10d. The absolute alcohol accounts for 8s. 2d. of this, and the pilocarpine for 3s. 2d.

**H. F. H. (25/5).**—**BOOKS ON THE HISTORY OF PERFUMES.**—The following answer your requirements, but the books are out of print and only obtainable at second hand: Rimmel's "The Book of Perfumes" (Chapman & Hall), and Piesse's "The Art of Perfumery." (Longmans, Green & Co.).

**C. L., Ltd. (17/5).**—You do not tell us what formula you propose to employ for the brillantime. The Board of Customs and Excise require the use of certain denaturants before they sanction the use of industrial spirit in toilet preparations.

**A. W. N. (26/5).**—**FOOT OINTMENT.**—A preparation of the type you send may be made by mixing equal parts of tallow and resin ointment.

**X. X. (26/4).**—**GOLD PAINT MEDIUM.**—This consists of a mixture of benzene or turpentine (six parts) with copal varnish (one part). The medium should be free from acidity, which is ensured by shaking it with lime and decanting. An additional coating of the gold paint medium could be given as a protective.

**G. A. B. (9/5).**—**SOFTENING TOE NAILS.**—The application of liq. ferri perchlor. is recommended as a safe and efficient method of softening ingrowing toe nails.

**T. W. C. (28/5).**—**INDIAN LINTMENT "P.F. 1"** or "C. & D. D. 1917."

Rad. anchusæ	...	...	5ss.
Pulv. capsici	...	...	5i.
Spt. terebinth.	...	...	0j.

Macerate for a week in a warm place, strain and add:

Ol. camph. essent.	...	...	0j.
Ol. sassafras	...	...	5i.
Ol. organi	...	...	3ss.

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," June 14, 1873.

### Australia

The Pharmaceutical Society of Victoria is hoping soon to get a Pharmacy Act somewhat on the British model passed through their Parliament. We have received from Melbourne a copy of the Report, which speaks for itself. It will be noticed that the President suggested THE CHEMIST AND DRUGGIST, of London, as the organ of the Society *pro tem.*, a position which we shall accept with pleasure. Our distant friends are destined some day to become a great empire, and they will save themselves a vast deal of trouble if they can get a Pharmacy Act while they are comparatively few, instead of waiting until there is a multitude of fancies to meet.



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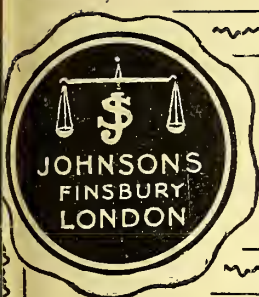
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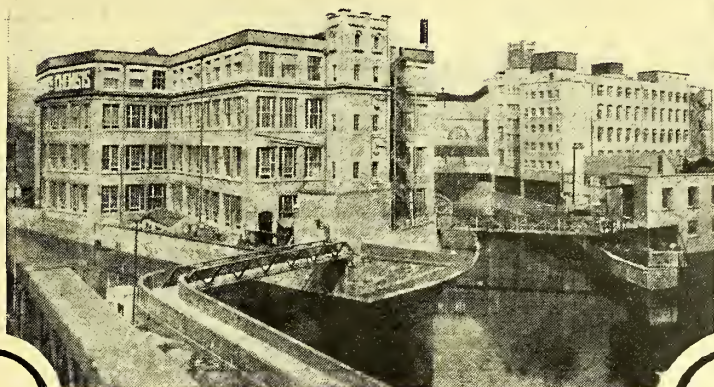
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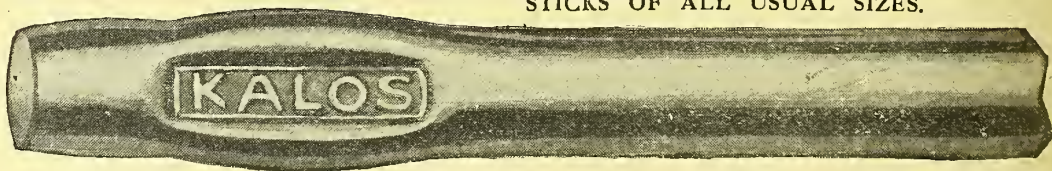
Privy Council Order, Jan. 1, 1921.

**DANGEROUS DRUGS ACT, 1920.**

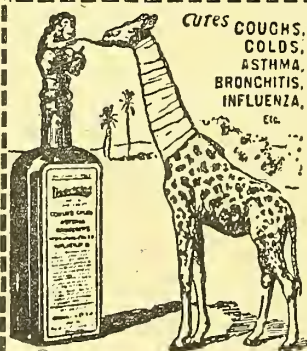
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**Dr. J. Collis Browne's  
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**It does not require purchaser's signature.***Proprietors:* J. T. DAVENPORT, Ltd., 117 Union Street, S.E.1.**"KALOS" LIQUORICE JUICE**Supreme Quality—Reasonable Price  
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*From all Wholesalers.*

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The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the retailer has a profitable return on a quick turnover.

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Hygienic Products are being made familiar to millions of people every week.

You will find Hygienic advertisements in the "Daily Mail" and "Daily Mirror."

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*Attractive Show Cards will be sent for Window Display.*

An order for 3 dozen Hydrolettes at 66/- per dozen ..	£9 18 0
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Selling at 7/6 per carton P.A.T.A. .. .. .	13 10 0
Total cost—carriage paid .. .. .	8 18 3
Profit	<u>£4 11 9</u>

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We have pleasure in announcing that we are now able to reduce the prices of Semprolin Emulsion and its combinations, as shown here. To enable present stocks to be cleared, however, these amended prices will not become effective until 1st June next.

SEMPROLIN	8 oz. Min. Retail each	per doz.	16 oz. Min. Retail each	per doz.
Emulsion, Plain .....	2/6	22/6	4/6	40/6
“ Aromatics.....	2/9	25/-	5/-	45/-
“ Bismuth & Pepsin ..	“	“	“	“
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To the Retail Chemists and  
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**DURING** the period of the Great War we were unable to ship any of our Pharmaceutical Products to England, and their use and sale were very much reduced as a consequence.

We are now constantly detailing and sampling to the Medical Profession throughout Great Britain the following products with gratifying results.

*The leading wholesale druggists of England are carrying a full stock of our preparations, and can therefore fill orders promptly from retail chemists at the following prices:*

	Per Dozen	Suggested Price to Consumer
Cod Liver Preparation, 16 oz. stamped	76/-	8/-
Cod Liver Preparation, 8 oz. stamped	42/6	4/6
Phospho-Lecithin, 16 oz. unstamped ..	70/6	8/-
Phospho-Lecithin, 8 oz. unstamped ..	38/6	4/6
Creo-Terpin, 16 oz. unstamped .....	80/-	9/-
Creo-Terpin, 8 oz. unstamped .....	43/-	5/-
Magma Magnesia, 16 oz. unstamped ..	26/6	3/-

MADE IN CANADA BY

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# WILSON'S CO-RE-GA (POWDERED)

## Comfort Powder Holds False Teeth Firmly in the Mouth

PREVENTS SORE GUMS.

Dentists everywhere are now prescribing and sending patients to Chemists for CO-RE-GA. Sales are increasing tremendously on account of this extensive and intensive dental propaganda work. As a Dental Plate Fixative CO-RE-GA stands alone for dependability and long-lasting adhesive properties.

CO-RE-GA is a ready repeater and sells anywhere, whilst profits are not only good, but amply protected. Add to your personal prestige by handling CO-RE-GA.

**LIKE THE DENTIST—RECOMMEND IT WITH CONFIDENCE.**

IN METAL CANISTERS:

1/6 P.A.T.A	-	-	-	Doz.	12/-
2/6	"	-	-	"	20/-
4/3	"	-	-	"	34/-

ORDER FROM YOUR WHOLESALER—or direct from

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ENSURES  
LASTING BUSINESS.

**P.A.T.A. NOTICE****18 Tavistock Sq., London, W.C.1**

June 2nd, 1923.

The following article has been added to the Protected List:—

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Size.	M.R.P.	M.W.P.
1/3 Citrate of Magnesia 8 oz.	1/3	9/6 doz. net. 9/- doz. by 1 gross.

The Council of the P.A.T.A. hereby heartily invite applications for membership from manufacturers of Proprietary Articles, and from Wholesale and Retail vendors of the same. Whatsoever manufacturers' thoughts may have been in the past about the need for price-protection, none but the selfish can now maintain that better profits (assured) are not essential to the conduct of business. The cost of running pharmacies is now greatly increased, and it cannot be wondered at if retailers give the iciest of "cold shoulders" to proprietaries not on the P.A.T.A.

Subscriptions (which run for twelve months from date of joining) are:—

Manufacturers ..	£6	6	0
Wholesalers..	10	10	0
Retailers ..	7	6	

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"I have tried every remedy ever invented, and 'Himrod's Cure' is the only one in which I have absolute confidence."—EMILY FAITHFUL.

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"The only relief I could get; if I had only known of it before."—LORD BEACONSFIELD, in his dying moments.

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SOLE PROPRIETORS,

**270 WASHINGTON STREET,  
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Recognised by the Medical Profession as

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Supplied in 8-oz. and 16-oz. Bottles by all the Wholesale Houses.

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ALL SIZES

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RHEUMATISM SPECIFIC.

**The DOUBLE-PROFIT Line**Wholesale **30/-** doz. Retail **3/-**

Every bottle carries instructions to the chemist to make up to the following Standard Formula.

*Liq. Barkola Comp., 1-oz.; Tincture of Gentian, 1-oz.;  
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You Dispense at Your Price :

**RETAIL PROFIT + DISPENSING PROFIT.**  
IT PAYS TO PUSH BARKOLA.**The Barkola Co. 42 Great Dover St.,  
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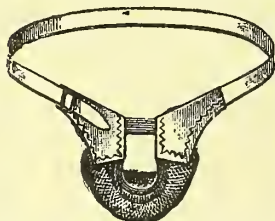
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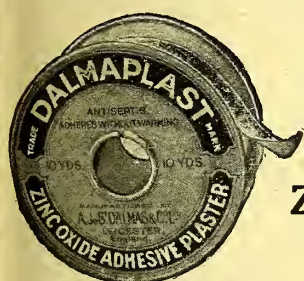
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“LEICESTER”  
VARICO LEG BANDAGE

Specially woven to form a natural spiral when wound round the leg. Superior to an elastic stocking as the pressure can be adjusted. In 2, 2½ and 3 yd. lengths.

THE  
“LEICESTER”  
HOSPITAL STRAPPING

Spread on strong brown-Holland. Supplied in tins, 6 yards × 8 inches. Rolls, 3 yards & 6 yards. Widths, 8 and 16 inches. Unequalled for reliability. As used regularly by all the leading hospitals.



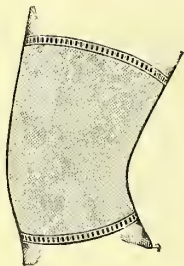
# The SURGICAL HOSIERY Co. Ltd.

(Department B), RUSSELL STREET, NOTTINGHAM.

Manufacturers and Patentees of

## SURCO SEAMLESS HOSIERY

In Light qualities for Summer wear, or Stout for hard wear.



Price List and Measurement Forms on Application.

Knee Caps as supplied to Bolton Wanderers, winners of Association Cup, 1923.



Articles made to measure dispatched in 24 hours.

R3

### HAY FEVER REMEDY

Over 50 years' reputation.

### TER-CHLORIDE of CARBON

PRICES—TO PUBLIC .. each 3/- 5/- 10/-  
TO RETAILERS .. doz. 24/- 40/- 80/- carriage paid 2 doz. lots.

Wholesale from

HOOPER & CO

Chemists' Sundries

7 PALL MALL EA  
LONDON, S.W.1

In glass stoppered bottles  
Viscose Caps.

#### RAZORS AND SAFETY RAZORS IN STOCK.

BLADES TO FIT ALL SAFETY RAZORS;  
RAZOR BLADE STROPPERS (Various designs);  
FEMALE FIGURES IN SOAP (Various shapes).

Bargain List sent on application.

L. FRANKENBERG, 15 Stoney Lane, Houndsditch, E.1

Phone: BANK 448.

**Rubber Corks**  
ALL SIZES & FOR ALL PURPOSES  
ONE HOLE, TWO HOLE or SOLID  
THE ALTRINCHAM RUBBER COMPANY  
MOSSBURN BUILDINGS, ALTRINCHAM.

## SURGICAL DRESSINGS

ABSORBENT, PLAIN and UNBLEACHED  
COTTON WOOLS, BANDAGES, GAUZE

Wholesale and Export only.

GEORGE HAYNES & CO. - - STOCKPORT, Eng.

Telephone: 2112 Stockport.

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Code: A B C, 5th Edition.





# “CORNOL”

Regd.

## CURES CORNS WITHOUT PAIN

Minimum  
Retail Price **1/3** Per Bottle      Wholesale Price **11/6** Per Dozen

**SPECIAL WINDOW DISPLAY TERMS means 5½d. on every bottle.**

With an order for 6 dozen “CORNOL” we will send 9 bottles FREE and a Special Illustrated Talking Card that will sell the stock in a very short time. With the first order for 6 dozen we will also send FREE OF CHARGE, a model of the famous statue shown here.

### TRIAL ORDER.

We will accept for a time opening trial orders of 2 dozen “CORNOL” and give 3 bottles FREE as bonus, also the Illustrated Talking Card.

*A Special Discount of 5% is given for Cash within one Month.*

Sole Makers :

**THOMPSON & CAPPER, Ltd.**  
Manesty Buildings, College Lane, LIVERPOOL.

SECURE  
SURE  
SALES.



**SEASONABLE SELLERS !**

OUR NEW ILLUSTRATED LIST OF  
**WATERPROOF GOODS**

SPONGE BAGS, BATHING CAPS,  
TOILET HOLDALLS, BEACH BAGS,  
IS NOW READY.

**SOLPORT BROTHERS, LTD.**

Manufacturers,  
184 to 190 GOSWELL ROAD, LONDON, E.C.1.  
FROM ALL LEADING WHOLESALERS.



# “BULL DOG”

## Boracic Socks

Finest 4½d. Sock. Quickest and Largest Sale.

**BIGGEST PROFIT**

Retail at 4½d. per pair.

**“SPEEDWELL” Boracic Socks**

Retail at 6½d.

Sample Pair and Special Offer. Terms on application to Makers.

Order Socks required by Name either from—

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**Liverpool.**—Ayrton, Saunders & Co., Ltd.; J. Thompson, Ltd., etc.

**Newcastle-on-Tyne.**—Penney & Co.

**Plymouth.**—Breeze's, Ltd.

Agents for Irish Free State, Dublin—May Roberts & Co., Ltd.

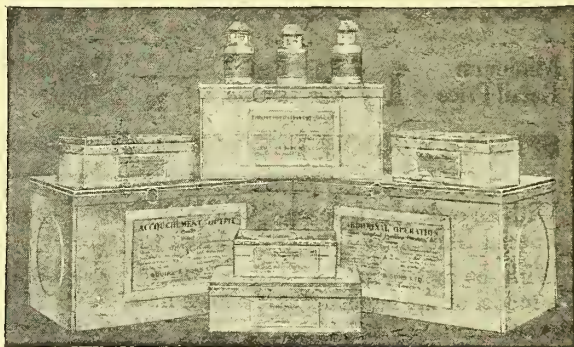
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SYDENHAM LONDON, S.E.26

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# Sterilised Surgical and Accouchement Dressings in Drums—hermetically sealed.



Price List with full particulars on application.

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*Chemists on the Establishment of the King.*

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**DAY AND NIGHT SERVICE**



**Wholesale  
and  
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**FULLY  
STOCKED.**

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**Edward Taylor**

**FACTORY: LTD.  
SALFORD, MANCHESTER.**

LATEST  
PRICE LIST  
ON  
APPLICATION

**NORVIC** Regd.  
**CRÊPE BANDAGES**

FOR  
VARICOSE  
VEINS



FLESH-COLOURED AND INVISIBLE,

Sole  
Mfrs. **GROUT & CO., LTD., Gt. Yarmouth.**  
London Agent—T. S. Eastaway, 35 Wood Street, E.C.2



*There is only one size (the most convenient—15"×9"), you will be turning your stock over frequently. Guaranteed for 12 months. Awarded the Certificate of the Institute of Hygiene.*



# Stock it!

you will not *keep* it in stock—

THE extensive advertising campaign in the Press which we shall launch in good time the cold weather season will create a demand. The "Crusader" hot water bottle which is bound to grow as its merits become known. Every purchaser is sure still further to advertise its rivalled good qualities.

It will give you a ready-selling "line" showing a handsome margin of profit.



Let us send you a sample—which you can retain or return at your pleasure—and you will see for yourself why you should include it in your stock. Write us NOW.

# Crusader

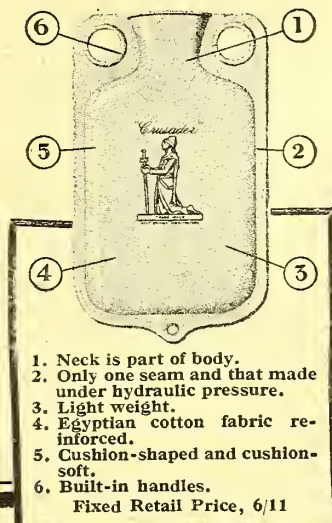
## Rubber Hot Water Bottle

The Crusader Rubber Co., Ltd.  
62 London Wall, London, E.C.

Another "CRUSADER" Success! The Pure Red Rubber SPONGE. Immeasurably superior to the cheap foreign importations. Made in 4 sizes:

4½"×3"×1½" Retailing at 11d.; 5"×3½"×2", 1/8;  
5½"×3½"×2½" " 2/4½; 7"×4"×2½, 3/6.

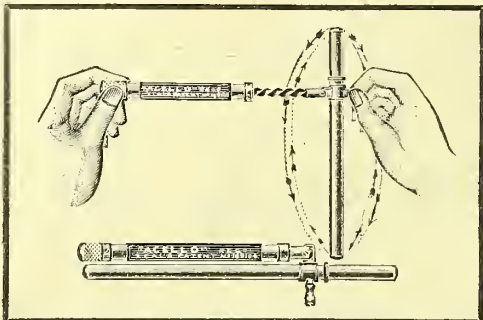
Write for details, samples and terms.



NO MORE DIFFICULTY IN SHAKING DOWN  
A CLINICAL THERMOMETER!!

## ZEAL'S NEW PATENT "ACELLO" (REGD.) RESETTING CASE

PATENT NO. 169104/20.



RESETS ANY CLINICAL THERMOMETER  
IN AN INSTANT.

Write for full particulars to

The Inventors and Patentees—

**G. H. ZEAL, LTD.** Manufacturers of all  
kinds of Thermometers,

REGD. 77 St. John St., London, E.C.1.

TRADE MARK

EST. 1888.

Telegrams: Zealdom, London.

## BARGAIN LINES

SENT ON APPROVAL.

Boat Bottle Teats (transparent) - 14/6 per gross  
Breast Pumps, red bulb, boxed singly 13/6 per doz.  
Ear Syringes, red rubber, 1½ oz. - 7/-  
Enemas, red rubber, boxed complete 18/6  
Whirling Sprays - 2/9 & 3/- each  
Carriage paid, 40/-, less 5% cash with order.

**E. & G. H. COLVER**

Manufacturing Chemists,

23 Ryland Rd., Edgbaston, BIRMINGHAM.

## DR. SCHOLL'S BUNION REDUCER

Relieves and reduces bunions and enlarged joints. Eliminates shoe pressure. Made of finest surgical rubber. Men's and Women's Sizes: Rights and Lefts. Price 2/6 each.



**Dr. Scholl's**  
Foot Comfort Appliances

are nationally advertised in all the leading newspapers and periodicals. Link up with this big publicity by featuring "Scholl" goods strongly in your window-dressings.

Write to-day for Illustrated Catalogue.

The SCHOLL MFG. CO., Ltd., 1-4 GILTSPUR STREET, E.C.1.

**JAMES TOWNSEND & SONS,**  
Chemists' Printers,  
EXETER.

SPECIAL SET  
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SEND FOR SAMPLES.

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SURGICAL DRESSINGS.  
SURGICAL and CHEMISTS' SUNDRIES.

**"INGOT"**

Quality and packing command ready  
sales and repeat business, which can  
only be obtained from

**YOUR PHARMACY.**

Allow us to quote with samples when you are next  
buying.

## Bathing Caps

All Rubber—Bright Colours  
From 4/6 dozen.

Deliveries from stock. Samples on approval.

ALL KINDS OF SURGICAL  
RUBBER GOODS: Enemas,  
Pessaries (Watch Spring), Pro-  
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&c., &c.

**JAMES TOMPKINS, Ltd.**

THE RUBBER HOUSE,

386 CITY ROAD, LONDON, E.C.

ESTABLISHED 46 YEARS.





# PHOSFERINE

## New Window Display Conditions.

Monthly Account.Carriage Paid.

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6; on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

The above conditions apply only to the United Kingdom.

**EXAMPLE.**

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	...	£2 2 0	£2 12 6
2    "    3/-    " at 30/-    "	...	3 0 0	3 12 0
		5 2 0	
Less 10/6 for Window Show	...	10 6	
		£4 11 6	£6 4 6

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

**WHOLESALE PRICES OF PHOSFERINE.**Carriage Paid.Monthly Account.

1/3 size	...	12/-	per doz. net.
3/-	...	30/-	"       "
5/-	...	48/6	"       "
12/-	...	114/-	"       "

**PROTECTED PRICES.**

Phosferine and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-

**ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.4.**

Telephone No.: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

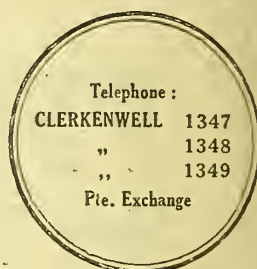
IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.



TRADE



MARK



# ARTHUR BERTON LTD.

- |                                  |   |  |
|----------------------------------|---|--|
| <b><i>Surgical Dressings</i></b> | { | <b>B.P.C. Standard for N.H.I. Work.</b> Band-ages, Lints, Gauzes, Cotton Wools, Gauze Tissue Pads, Swabs, Plasters, etc. |
| <b><i>Chemists' Sundries</i></b> | { | <b>Vacuum Flasks,</b> Belts, Mirrors, Bath Gloves, <b>Bathing Caps,</b> Powder Puffs, <b>Sponge Bags,</b> Holdalls, etc. |
| <b><i>Toilet Requisites</i></b>  | { | Combs and Brushes of every description. Tooth and Face Powders, Tooth Paste, Manicure Sets, Scissors, Forceps, etc.      |
| <b><i>Sickroom Utensils</i></b>  | { | Thermometers, Bed-pans, Urinals, Feeding Cups, Glass Measures, Enemas, Syringes, Douches, etc.                           |
| <b><i>Rubber Articles</i></b>    | { | Hot Water Bottles, Sheetings, Beds, Air Cushions, Ice Bags, Sponges, Teats, Valves, Soothers, etc.                       |

SHOWROOMS :

15 & 17 Worship St., LONDON, E.C. 2. 84 Miller St., GLASGOW

AND

36 Chapel Street, Victoria Bridge, MANCHESTER.



# THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.  
LONDON E.C. 4

JUNE 2, 1923

*This Supplement is inserted in every copy of The Chemist & Druggist.*

## THE CHEMIST AND DRUGGIST SUPPLEMENT REVISED ADVERTISEMENT TARIFF.

**Businesses Wanted and for Disposal, Premises to Let, Goods for Sale, and Agencies—6/-** for 50 words; every additional 10 words or less, 6d.

**SITUATIONS OPEN—6/-** for 40 words; every additional 10 words or less, 6d.

**SITUATIONS WANTED—2/-** for 10 words; every additional 10 words or less, 6d.

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**Miscellaneous (Wholesalers') Section** for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less.

**EXCHANGE COLUMN** (for Retailers, etc.)—Twopence per word, minimum 2/-

### Box Number.

Each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

### Payment.

Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

**THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.**

Telephone: Central 3617 (3 lines).

Telegrams: "Chemicus, Cannon, London" (2 words).

## LOSING FOR PRESS.

JUST REACH US  
NOT LATER THAN

**FIRST POST THURSDAY MORNING.**

ALL ADVERTISEMENTS INTENDED FOR  
INSERTION IN THIS SUPPLEMENT

## CHEMISTS' TRANSFERS.

**Messrs. Orridge & Co., 56 Ludgate Hill, E.C.**

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

—LONDON, S.W.—Two Businesses for Disposal; General Retail and N.H.I. Dispensing; combined turnover £3,300; net profit £1,050; both have good house; rent of shop £80 per annum, 14 years' lease; the property of the shop establishment is owned by the Vendor, which he is anxious of selling; month's trial allowed; further details on application.

—EPPING FOREST (Few Minutes from).—General Retail Business, with N.H.I. Dispensing; established many years; returns, from £20 to £25 weekly; double-fronted shop, well fitted mahogany; rent, £110 per annum; house sublet at £65; 21 years' lease; no reasonable offer refused.

—LONDON, S.W. (Residential Suburb).—Cash Retail Business; returns last year, £1,740; present rate, £33 to £36 weekly; gross profit, 40 per cent.; double-fronted lock-up shop; lease will be granted; flat available at £1 weekly; terms, see, goodwill, and fixtures, £475; stock at valuation; in all out £800.

—FINSBURY PARK (Near).—Cash Retail and Dispensing Business; returns between £1,500 and £2,000, at the rate of; single-fronted shop, fitted in mahogany; good working stock; £252 per annum; held on lease; no reasonable offer refused; terms invited.

—SOUTH LONDON.—Good-class General Retail Business; returns, £1,400 per ann., with scope for large increase in the hands of an energetic man; house contains 5 rooms, kitchen, bath room, garden, back entrance; held on lease; rent, £30 per ann.; price to be arranged.

—EARL'S COURT (Within Easy Distance of).—General Retail Dispensing Business; established over 50 years; owing to management, the returns have fallen away, but under energetic supervision £40 per week could be done; present rate of turnover is £23 weekly; double-fronted corner shop, handsomely fitted in mahogany; full working stock; house sublet to show flat rental of £18 yearly; held on lease; price £1,050.

—CITY (Near).—Retail, Dispensing, and Photographic Business; returns exceed £5,000 per annum, at good prices; lock-up shop; held on lease; intending investors with £4,000 at command will find this a sound investment.

Messrs. O. & Co. desire to emphasize the necessity of a periodical estimate of account by which means alone Profit, the value of assets, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually causes the cause of confusion and loss.

8.—BOURNEMOUTH (Near).—Middle-class cash Retail Business; returns at the rate of £1,250 per annum, at usual prices; single-fronted shop, fairly fitted and well stocked; no living accommodation; rent £60; low rates; held on lease; price £600 cash.

9.—NORTH WALES (Health Resort).—General Retail and Dispensing Business, with little mixed trade; the business has been under management since it was established in 1895; returns last year £1,061, with scope for much increase; double-fronted shop, small living accommodation; rent £25 per annum; held on lease; price £750, or near offer entertained.

10.—HOME COUNTY (Few Miles Out).—High-class Dispensing Business, situate in good-class locality; Kodak Agency; returns last year, £4,500; net profit, quite 25 per cent.; single-fronted shop, fitted in mahogany, and heavily stocked; good living accommodation, with bath room; price to be arranged.

11.—WILTSHIRE.—Working Partnership offered in two Businesses, capable of much extension with additional help; the half share would produce an income of about £700 per annum; both concerns are entirely unopposed; the investment is suitable to a young man with energy; price £1,500; further details on application.

12.—FASHIONABLE HEALTH RESORT (South Coast).—High-class Dispensing Business, with Kodak Agency; shop faces new estate of large houses in course of erection; returns, £50 weekly; large double-fronted shop, handsomely fitted and heavily stocked; 21 years' lease; price to be arranged.

13.—KENT.—General Retail Business with good optical connection; present hands 23 years; returns from Pharmacy, about £2,000 per annum, and from Optical about £700 yearly; net profit on Optical, 60 per cent.; single-fronted lock-up shop, sight-testing room, and cellar; new lease will be granted at £80 per annum, or freehold may be purchased; price to be arranged.

14.—SOUTHERN COUNTY.—Good-class Dispensing and Retail Business; established many years; returns present rate between £2,600 and £2,700 per annum, at good prices; single-fronted shop, well fitted and stocked; convenient living accommodation; net rent, £68; held on lease; terms, small goodwill and valuation of stock and fixtures, or lump sum; offers entertained.

## Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4**



**BERDOE & FISH***Valuers and Transfer Agents,***41 Argyle Square, KING'S CROSS, W.C.1.**

(One minute from St. Pancras and King's Cross Stations.)

1.—KENT (50 Miles Out).—£650 will secure a thorough genuine Business, returning about £25 weekly; net profit, a third; opening for Optics; plenty of Prescribing, and living accommodation; rent, only £40; exceptionally well stocked; every investigation courted.

2.—LONDON, W.—Good-class Business, in excellent position; present returns £40 a week; scope for doing double in smart hands; large double-fronted shop; splendid windows; good stock; price £1,400, or close offer.

3.—LONDON, S.W.—Good-class Suburban Retail, with Kodak Agency; returns £1,740; good profits. Fine corner Pharmacy, main road position, low rent. Price, about £800.

4.—LONDON, E.—Genuine Cash Drug Store, with Kodak Agency; returns £1,700; good opening for N.H.I.; practically unopposed; 8-roomed house; lease granted; well stocked; price £900 cash; recommended.

**TO INTENDING VENDORS**

**SPECIAL NOTICE.**—Having a very large number of genuine buyers seeking businesses, from £800 to £3,000, in all parts, especially Home and Southern Counties, South Coast and Midlands, we are able to effect speedy sales without any publicity, and cordially invite correspondence and applications for our terms. Also a superior business is required for a client with £4,000 cash at command.

**STOCKTAKING VALUATIONS.**

We are still open to book a few vacant dates for June and July at special reduced terms and invite early applications.

**ESTABLISHED 1870.**

Telephone: 651 Museum.

**The Association of Mnfg. Chemists**

— LIMITED —

**Head Offices—26-28 Kimberley House,  
Holborn Viaduct, London, E.C.1  
(and at 2 Bixteth Street, Liverpool)**

**PARKIN S. BOOTH, Accountant and Valuer.**

PHONE: CITY 6942-43.

**WE HAVE THE FOLLOWING BUSINESSES FOR DISPOSAL.**

1.—DORSET.—Recently-established Cash Retail Business; returns, £1,250; lock-up shop, situate on main road between Bournemouth and Poole. No near opposition. Premises held on lease 14 years. Rent, £60. Well stocked. Price for immediate sale, £600.

2.—LONDON, N.—Good Retail Business, taking £1,500 per annum; well-stocked and fitted; little opposition. Two good living rooms; 7 years' lease, with rent, £52 per annum; inclusive price, £950.

3.—GOLDERS GREEN.—Finely situated Portrait Studios and Photographic Business; lease 8½ years, at £175 per annum; premises consist of basement, double-fronted shop, and 3 floors above. Full particulars on application to this office.

4.—OLD KENT ROAD, S.E.—Retail Cash Business; well situated; premises held on lease—4 years at £75; premises sublet at £50; turnover, approx. £25; full particulars on application.

5.—WANTED.—North of England, or East or West Coast, Retail Chemist and Druggist's Business, with turnover £2,500-£3,000 per annum; or would entertain neglected Business if scope for development; capital available, £1,500. Full particulars to this office.

**STOCKTAKING.**—Now is the time to take your stock. Perhaps it is too much trouble or you have not the time to spare. Then why not consult the Practical Firm who will do this work for you for a small inclusive fee, without interference with your work? For full particulars write as above.

**BRETT & CO.**

**ALL VALUATIONS HAVE THE PERSONAL  
ATTENTION OF F. J. BRETT, M.P.S.**

*Transfer Agents and Valuers,***73 LAUREL ROAD, LEICESTER.**

Telephone: 1934.

**We have CASH buyers for businesses  
in all parts of the country up to £5,000  
or £6,000.**

LAST BUSINESSES ADVERTISED ARE SOLD

**CHARLES C. MARSDEN**

*Valuer, Transfer Agent and Stocktaker,  
44 SHOLEBROKE VIEW, LEEDS.  
BUSINESSES WANTED.*

MIXED Country Retail in Market Town; turnover about £4,000. DISPENSING Business with house and garden; turnover about £2,000. NEGLECTED Business with scope for development; price from £500 to £1,000.

**ERNEST J. GEORGE***Chemists' Valuer and Transfer Agent.*

Stocktaking Valuations for all purposes conscientiously carried out at equitable charges. Recommended by leading Pharmacists in Great Britain and Ireland.

**INCOME TAX DIFFICULTIES ADJUSTED.**

Let me know about that business you  
have been trying to buy or sell.

**3 ST. PAUL'S CLOSE, WALSALL. Tel. 774****BAKER & ROBERTS***Valuations for Income Tax, Probate, and Transfer,*

Personally conducted by W. Rooke Roberts, M.P.S., F.S.M.C.

**174 VICTORIA STREET, S.W.1 Tel.: Victoria 27.**

And at 7 Estate Buildings, St. Stephen's St., Bristol.

Recommended by the British Drug Houses, Messrs. Meggeson Ltd., etc.

**FREDK. H. RICHARDS****Expert Chemists' Valuer, Transfer Agent & Stocktaker**

LONDON SUBURB.—Busy market thoroughfare; returns about £1,000; lock-up shop and parlour; long lease; price £650 or offer.

JERSEY.—Large shop and nice house; returns about £700; can be increased; price for Freehold and Business about £1,550.

LONDON.—Small Drug Store; lock-up; returns about £700; price £275, or offer.

CHANNEL ISLANDS.—Nice shop, with house attached, in main thoroughfare; neglected through ill-health, but great scope for improvement; price for freehold, goodwill, stock and fixtures, £1,300.

LEICESTERSHIRE.—Excellent Business, in large and important town; returns about £2,300 p.a., increasing; profits, £600; price, including freehold, £1,500; specially recommended.

**5, CHICHESTER HOUSE, CHANCERY LANE, W.C.2**

Phone: HOLBORN 598.



**TENDERS.****COUNTY BOROUGH OF SALFORD.**

TENDERS are invited for the supply of Drugs, Medical and Surgical Appliances and Anti-Sera. Particulars and Forms tender may be obtained from the Medical Superintendent, Salford Sanatorium, Eccles New Road, Salford.

L. C. EVANS, Town Clerk.

**SEVERALLS MENTAL HOSPITAL, COLCHESTER.**

The Committee of Visitors invite Tenders for the supply of Drugs and Dressings for the three months ending 30th September, 1923.

Form of Tender apply, enclosing stamped, addressed to "Mr. H. Overend, Clerk of the Hospital, Severalls Mental Hospital, Colchester."

Tenders must be received not later than Saturday, June, 1923, addressed to the Medical Superintendent, Severalls Mental Hospital, Colchester.

Committee of Visitors do not bind themselves to accept lowest or any tender.

By Order,

H. H. GEPP,

Clerk to the Visitors.

**LEGAL.**

The Goods of Thomas Finegan, late of 120 Royal Avenue, Belfast, Pharmaceutical Chemist, deceased.

NOTICE is hereby given, pursuant to the Statute 22 and 23 Vic., Cap. 35, that all creditors and other persons having any debts, claims or demands against the Estate of the above-named Thomas Finegan, who died on the 14th day of December, 1922, are hereby required to send particulars (in writing) of such debts, claims and demands on or before the 1st day of July, 1923, to the undersigned Solicitor for the Administratrix, to whom administration was granted on the 1st day of May, 1923, forth of the Principal Registry of the Court of Justice in Northern Ireland, King's Bench (Probate).

NOTICE is hereby given that at the expiration of that the said Administratrix will proceed to distribute the assets of the said deceased amongst the parties entitled thereto, regard only to the debts, claims and demands of which she then have had notice, and will not be liable for any debts of which notice shall not have then been given.

GEORGE MARTIN

Solicitor for said Administratrix,

Royal Avenue, Belfast.

**AGENCIES.**

IA.—Representative of new first-class firms (now on leave), having good connection with Chemists throughout India, is for suitable Agencies; prepared carry limited range samples throughout; returning East shortly. 86/16, Office of this Paper.

ENTS required, with an established connection among Chemists, to sell well-known Proprietary Article in the following districts: North and South Wales, West of England, Cheshire, South Coast, Eastern Counties. Apply, giving full particulars, to "Z. Y. Z.", 26/818, Office of this Paper.

L. Ireland or Part.—Dublin Agent, with own Showroom, and Traveller, Dublin and Belfast, 10 years' established connection, require one more Agency to complete list. Line to be advertised or well known to the Trade. Interview, on, June 18 to 22. Replies to 83/3, Office of this Paper.

EMIST, with Buying and Selling Organisation in Australia and other Colonies, would consider first-class Agencies. 86/17, Office of this Paper.

WDER PUFFS.—Manufacturer, supplying direct to the retail, is open to appoint Agents in every county of England, S. Scotland, and Northern Ireland, as side line on commission basis. Applicants must have sound connections with class Chemists. Full particulars, commission required, enclosed, and references, which will be treated in strict confidence. R. Felber, 32 Lawrence Lane, Chesham, London.

PRESENTATIVES with established connections required to sell well-known Proprietary Article to Retail Chemists in the Counties of England, E. Counties and North Wales; liberal commission; state goods carried and exact area covered. 87/6, Office of this Paper.

QUIRED, by old-established company, Firm to act as Agents on commission for the sale of Textile and Toilet Soap in the Manchester district. Apply 87/2, Office of this Paper.

AVELLERS, having good connection with Retail Chemists, wanted to take up an easily-sold side line, retailed at 1s. 6d., which £3 a week can readily be made. Full particulars to "A.", 90/33, Office of this Paper.

**BUSINESSES WANTED.**

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A SMALL Seaside or Country Business required by experienced, energetic Pharmacist (30); small living accommodation; returns, £1,500-£2,000; must be thoroughly sound and bear every investigation; would entertain position with view to succession in same; partnership considered in larger concern; cash waiting. Brown, 1 Gilbert Street, Oxford Street, London, W.1.

BUSINESSES wanted in Cheshire, Lancashire and Yorkshire; central positions preferred, but others considered; confidence respected. "Chemicus," 88/12, Office of this Paper.

CHEMIST requires a good-class Cash Business, London or provinces; Partnership with view to early succession entertained; full particulars, in confidence, of rent, rates, lease, turnover, accommodation, value of stock and fixtures; cash available. "F.", "The Hollies," 44 Dunstable Street, Amphyll, Beds.

GENUINE Business wanted in Lancashire; turnover £2,000 to £3,000; Manchester or Liverpool preferred. Full particulars, 91/31, Office of this Paper.

GOOD or middle-class Business wanted within 50 miles London, doing not less than £50 weekly; cash ready; no agricultural trade or side lines except Photography. State returns, profits, rent, lease, and accommodation to Smith, 82 High Street, Marylebone, London, N.W.

NEWCASTLE or North-East.—Chemist requires for cash Business in above area returning about £2,000 per annum; cash waiting; living accommodation essential; Kodak Agency preferred. Particulars of returns, gross and net profits, rent, rates, etc., in confidence, to "Novex," 89/33, Office of this Paper.

PHARMACIST (experienced) desires good-class business in healthy locality; turnover about £1,800, or partnership in larger concern; no residence required; would accept position with nominal salary with view to early succession. 91/11, Office of this Paper.

WANTED by September (or sooner), a good-class Chemist's Business, South of England preferred, though not essential, and preferably where one or two Assistants are usually kept; a smaller Business if in select neighbourhood would be considered. Please give full details, which will be treated as private. Francis, Red House, Caersws, Montgomeryshire.

WANTED by energetic man, with varied experience, Drug Stores on hire-purchase; some cash; must be sound concern with good living accommodation. Full particulars, Lewis, c/c The Parsonage, St. Ives, Cornwall.

**FOR SALE.**

OVERSTOCKED.—No reasonable offer refused. Any item or part carriage paid. ½ oz. Atropine Sulphas, 1 dr. Aconitine, ½ oz. Argent. Oxide, 1½ oz. Veratrine, 1 dr. Pilocarpine HCL, 10 oz. Cinchonae Murias (Howard's), 3 oz. Ol. Anthem. Ang., 1 oz. Ol. Cassia, 1 oz. Ol. Petit Grain, 6 oz. Ol. Myristice Exot., 1 oz. Ol. Rutæ, 12 oz. Ol. Carui, Ang., 1 oz. Ol. Menth. Pip. Ang. Opt., 14 lbs. Vermilion, ½ oz. Mosch. Gran. Opt., 3 oz. Pulv. Antim. Tart., 8 oz. Pulv. Podophyllin Resin, 3 oz. Tr. Catechu, 1 oz. Tr. Tolu, 2 oz. Pulv. Scamm. Alep. Opt., 8 oz. Tr. Cubebe, 4 oz. Iodoform, 13 Sotal Tabs., 1s. 9d. "Pharmacist," 89/10, Office of this Paper.

FOR Sale, Optical Test Case, 0.25 to 16 spherical, 0.25 to 7 cylinder, two prisms, complete with trial frames, in solid mahogany case, almost new, £9 10s; exceptional bargain. Whittaker, 46 Wilton Road, London, S.W.1.

**APPRENTICE.**

GENTLEMAN, 22, Theoretical Chemistry, Cambridge Junior Local, London Matriculation, English, French, Latin, Greek, Maths., good character, total abstainer, would be glad to know particulars of vacancy for Apprentice in Pharmacy; Dispensing training required. Apply 88/9, Office of this Paper.

**PREMISES FOR SALE.**

NO PREMIUM.

HARROW.—Important Business Premises adjoining large drapery store. Fine position, opposite station and bus stage. Large shop, with showroom or rooms over; rent £250, or freehold for sale. Unique opportunity for high-class chemist. Clarke & Co., The Harrow Estate Offices. Tel. 219.



## BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

**BLACKPOOL, N.S.**—Old-established Dispensing Business; lock-up; satisfactory reasons for disposing; best position; fully stocked; price £1,050 for quick sale. Apply, stamped envelope, "R. W.," 34a, Victoria Street, Blackpool.

**BOURNEMOUTH.**—Unique opportunity, an opening, which has to be sacrificed owing to owner's illness; new premises; shop and modern house; freehold; new fittings; some stock and furniture; price £1,800. Write 91/13, Office of this Paper.

**BRITISH COLONY.**—Healthy climate; old-established firm of Chemists require a capable, qualified man as Managing Director, to invest £5,000, with view to ultimate succession; salary, £1,000 per annum, plus commission, and interest on share capital. Apply, Berdoo and Fish, Valuers, 41 Argyle Square, King's Cross, W.C.1.

**LEEDS.**—Chemist's Business for sale; working class; Retail, Photography and N.H.I.; capable of development. For particulars, apply 90/38, Office of this Paper.

**LIVERPOOL DISTRICT.**—Good Dispensing and Retail Business; Kodak Agency; turnover average £2,000; no N.H.I.; proprietor retiring; lease 7 years to run; nominal rent. Full particulars on application. Apply 25/803, Office of this Paper.

**LONDON, E. Suburb, main road.**—Drug Stores; takings average £10, nearly all drugs, prescribing; neglected; management (unqualified); lock-up shop; parlour, etc., available; house, six rooms, later; lease 7, 14, 21 years; good working stock; price all at £265 for quick sale. 91/17, Office of this Paper.

**LONDON, N.**—Newly-established Business, now averaging £16 weekly and 600 N.H.I.; plenty of scope for Photographic and much better results; 21 years lease; lock-up shop. 26/829, Office of this Paper.

**LONDON, near.**—Neglected; returns £25 week; has done double and can again with personal attention; fine position on main road; rent low on long lease; price £700. 26/825, Office of this Paper.

**LONDON Suburb.**—Good-class General Retail Pharmacy in main thoroughfare for sale; good working stock; well fitted; established over 30 years; very good scope; price to be arranged or offers. Apply, 92/2, Office of this Paper.

**LONDON, S.E.**—General Retail and Prescribing Business, with Kodak Agency, in good working-class district; nicely fitted; compact single-fronted shop, with good house and yard; splendid opening for N.H.I.; no near opposition; takings 1922 over £1,700; net profit over £500; lease; rent £40; price £900, or near offer. 92/21, Office of this Paper.

**LONDON, W.**—Old-established Dispensing and Family Business, with Post Office and Kodak Agency; gross returns £2,750; lease 13 years to run; average net profits over £650; good opening for Optical; price £2,000; premises can be acquired if desired. 92/20, Office of this Paper.

**NORFOLK.**—Two Businesses in same town, unopposed. Only one other Chemist within a radius of 10 miles, and that not strong. Main business established 100 years, and one of the best fitted Pharmacies in the Eastern Counties. Electric light, gas, central heating, ample warehouse accommodation, and specially fitted dark rooms. Kodak and Neal agencies, also a little Optics, which can be considerably extended by qualified optician. Good house, with bath, h. & c., small garden. Present returns average £78 per week (has been more). Rent, £93 on lease. Price lease, goodwill, fixtures, fittings and utensils, £2,000, and stock at valuation about £1,400. Branch, nice shop (electric light), with house attached. Present return £33 per week; rent £35 on lease. Price, lease, goodwill, fixtures, fittings and utensils, £800; stock at valuation about £600. Bankers' and trade references required. 90/1, Office of this Paper.

**SOUTH WALES.**—Rare opportunity to secure a genuine Business in very large mining town; modern fittings; finest position; long lease and low rental; small living accommodation; Kodak Agency and Wine Licence; disposing owing to proprietor's ill health. Davies, Chemist, Aberdare.

**SOUTH YORKS.**—Retail Dispensing and Prescribing business on main road of prosperous town; industrial district; big scope for increase; turnover averages £30 weekly; no near opposition; five-roomed house attached; rent, £32; terms, valuation of stock and fixtures and sum for goodwill; stock can be reduced to bring purchase price to about £900. Chas. C. Marsden, Chemists' Valuer, 44 Sholebroke View, Leeds.

**SURREY (Guildford).**—Chemist and Pharmacist Business, about one mile out; growing district; average turnover £25 per week; could be considerably increased; rent £88 inclusive; price, including stock and fixtures, £700. Apply Heath & Salter, 15 Farnham Road, Guildford.

**SUTTON-IN-CRAVEN, near Keighley.**—The old-established unopposed Drug Store business, carried on for upwards of 50 years by the late Mr. B. Marshall. Particulars, apply Heyworth Chemist, Kildwick, via Keighley.

**S.W.**—TWO lucrative Businesses; one returns £40; profit £18; price, with property, £2,200; other returns £1,250; profits, £400; price, £1,150; or both for £3,200. Write, 89/29, Office of this Paper, or 'phone Western 4361.

**YORKSHIRE.**—Lock-up Chemist's Shop in thickly-populated district for immediate disposal; N.H.I.s average 1 monthly; this could be doubled under personal supervision; goodwill and fixtures £170; stock at valuation. 90/27, Office of this Paper.

**RETAIL Business for disposal in large manufacturing town near Manchester; double-fronted shop in main shopping thoroughfare near centre of town; electric light and live accommodation; present turnover about £750 per annum; Panel; sacrifice for quick sale; price £600. Apply, 90/37, Office of this Paper.**

**UNOPPOSED Country Business, in present hands 24 years old age reason of disposal; good house, stable, and warehouse attached; situated on Great North Road, and near to collieries; price £450. Atkinson, Tuxford, Newark, Notts.**

**WELSH Country Town, centre of prosperous and healthy district.**—Old-established Dispensing and Veterinary business for Sale, with Wine and Tobacco licences; turnover £1,500; lease granted for house, shop and garden; rent rates low; stock and fittings at valuation, plus reasonable goodwill; death vacancy. 25/807, Office of this Paper.

**WHOLESALE and Manufacturing Business, private limited company, few hundred accounts, supplying Wholesale Shippers, Chemists, Dealers, Hairdressers and Sundries.** Several own good proprietary lines, and very valuable formula for the manufacture of Synthetic Essential Oils, and Toilet Preparations. Large stock and good book debts which can be cleared within a month. Certified balance-sheet and audit accounts showing good profits. For sale owing to illness of principal, who has to undergo a serious operation. Price, including all utensils and office furniture, £2,200. Write, "Accountant P.C.B. 39/16, Office of this Paper.

## PARTNERSHIPS.

**LONDON.**—Unique opportunity occurs for a qualified unqualified Chemist as Partner in good-class progressive Pharmacy; business qualities essential; capital required £1,000 to £1,500; principals only. 91/29, Office of this Paper.

**LONDON, E.**—Working Partner required with capital; must have controlling qualities; good business. 91/290, Office of this Paper.

## ROOMS WANTED.

**REQUIRED, by Dental Surgeon (L.D.S.), Rooms over Pharmacy suitable for Surgery, etc.; London or suburbs. Write giving full particulars, to P.C.B. 38/16, Office of this Paper.**

## SITUATIONS OPEN.

### [HOME.]

### RETAIL.

**BOURNEMOUTH.**—Unqualified Junior Assistant required once; a gentleman; for high-class Retail and Dispensing business. Apply, with usual particulars as to age, experience and salary required, to the Secretary, G. E. Bridge & Co., 125 Old Christchurch Road, Bournemouth.

**BRIGHTON.**—Junior Assistant required; must have good dispensing experience, accurate and quick, and of good address and thoroughly trustworthy. State salary and age to "Pharmacist," 91/35, Office of this Paper.

**DEAL.**—Competent Assistant for season (until end of September); Photographic knowledge essential. Apply, with full particulars, Stewart Dunn, High Street, Deal.

**EAST Coast Seaside Resort.**—Junior required at once for season for good-class business; one with knowledge of Developing and Printing Photos. State age, height, salary (including experience, name of last employer. 91/6, Office of this Paper.

**HERNE BAY.**—Unqualified Assistant required for the great good Stock-keeper and Salesman; knowledge of Photography essential; state age, salary required (outdoor), references to Terrington, Herne Bay.

**HUDDERSFIELD INDUSTRIAL SOCIETY, LTD.**—Want young qualified Assistant for Drug department; give particulars first letter; copies only of testimonials if sent. Apply letter, Manager, Drug Dept., Buxton Road, Huddersfield.



**ESTER.**—Wanted, Improver for Stock, Window-dressing, Counter. Give full particulars as to age, experience, expected (outdoor), and reference. Applications not to be in three days, declined. Apply, 91/35, Office of this Paper.

**POOL.**—Qualified; brisk Counter trade, working-class district, main road; Window-dresser, Photographic; and Improver kept. Apply, stating terms, references, particulars, Banner's, Ltd., 266 Smithdown Lane, pl.

**ON.**—Unqualified Male Assistant, young, at once; high-class Dispensing, Retail, Photographic (outdoors). Apply, 28, Cash Chemists, Ltd., 90 Alderman's Hill, Palmer's N.13.

**ON.**—Unqualified man, not over 30, for busy middle-class trade; capable of taking charge; must be good Salesman Window-dresser, obliging to customers, and have had experience; prospect of management to right man; preferred. 92/19, Office of this Paper.

**ON, N.**—Qualified Manager required; must be accurate Dispenser, good Salesman, and have thorough knowledge of Photography, including Photography. Apply, stating experience, age, height, whether married or single, and required (outdoors), to 92/80, Office of this Paper.

**ON, N.**—Unqualified Assistant wanted; reliable and accurate Dispenser, good Counterman, Window-dresser, and knowledge of Photography. Apply, stating experience, age, and salary required (outdoors), to 92/80, Office of this Paper.

**ON, S.W.**—Competent unqualified Assistant, age 25 to 30 for brisk cash business. Must be tactful Counterman, Dispenser, and have knowledge of Photography. references essential; good prospects for capable man not to work. Please state age, height, details of experience, salary required. 91/2, Office of this Paper.

**ON, W.2.**—Thoroughly experienced Assistant (male), age over 25, required for front counter; outdoor; short Apply, E. C. Evans, Pharmacist, Whitley's, Ltd., The Grove, W.2.

**ON, W.**—Competent unqualified Assistant, age 25 to 30 for a quick cash store business; must be a smart man, reliable Dispenser, and have a good knowledge of Photography, and not afraid to work; highest references essential; giving full particulars in first letter, to 91/22, Office of this Paper.

**ERN.**—Assistant, with good Dispensing experience and accustomed to best-class Retail. Please state full particulars salary required (outdoors), when disengaged, etc., to 92, The Belle Vue Pharmacy, Malvern.

**HESTER.**—Wanted, at once, for high-class business, reliable and experienced Dispenser and Counter Assistant; a first-class man; permanency. Usual particulars and required to 25/814, Office of this Paper. Applications received in 7 days courteously declined.

**HESTER DISTRICT.**—Wanted, qualified Manager (outdoor) for Branch, Retail and Dispensing; must have had ample counter experience; single man preferred; not over 35, giving particulars as to experience, references, salary, and enclosing photo (if convenient), to T. Wood, Pharmacist, Hazel Grove, Cheshire.

**HESTER.**—Qualified gentleman, Junior Dispenser, required in a high-class city business; must be quick, neat worker, and good previous Dispensing experience; no Sunday or insurance work. State fully experience and salary expected. 91/36, Office of this Paper.

**HESTER DISTRICT.**—Pharmacist-Optician required for several weeks, with possibility of permanency, for good business. State usual particulars and salary required. Applications not answered within 4 days respectfully declined. Office of this Paper.

**ST. GEORGE'S HOSPITAL, S.W.1.**  
TANT Dispenser wanted from June 18 to September 15, inclusive. Pharmaceutical Society's qualification. Salary weekly. Hours, 9 a.m. to about 5 p.m. Sunday duty two days third. Ladies ineligible. Applications, with copies of testimonials, to the Pharmacist. 9, 1923.

**EA.**—Wanted, good, all-round qualified Assistant, about 20 years of age. All particulars in first letter. J. T. Chemists, Ltd., 13 Walter Road, Swansea.

**VICK.**—Unqualified Junior Assistant, outdoor, for good Retail and Dispensing; must be reliable and accurate; some knowledge of Photography; state full particulars, experience, references, and salary required. I. G. Mellor, Street, Warwick.

**END.**—A good, reliable man, with plenty of go in him, able of managing; must be familiar with foreign special speak good French. To save time, kindly give reference state salary required; also age and height. 89/22, Office of this Paper.

**A** QUALIFIED Managing Assistant, single, wanted, at once; permanency for a good man; must be a good Dispenser and Counterman. Apply, giving full particulars of experience, references, salary required, etc., to G. A. Pickering & Son, Chemists, Royston, Barnsley.

**A** SSISTANT required, age not over 30; must be smart Counterman and accurate Dispenser, with good Photographic knowledge. Apply, giving full particulars, to 26/820, Office of this Paper.

**C** APABLE qualified Assistant wanted, to take charge of Drug Department in modern store, rapidly growing town near London; accurate Dispenser, of good manner and appearance required; excellent prospects. Particulars of experience and salary required, to Manager, The Stores, Welwyn Garden City.

**C** OMPETENT Assistant for first-class Retail and Dispensing, with Photographics, for summer season, July to September inclusive. State full details of previous experience, age, height, salary required, and when disengaged, to D. T. Evans, Ltd., Chemists and Opticians, Margate.

**E** LDERLY qualified Assistant as Cover and to occasionally control in Family and Dispensing business; must be careful, quick Dispenser; accustomed to good-class business; comfortable home; low salary. Full particulars to "Kola," 91/37, Office of this Paper.

**E** XPERIENCED unqualified Male Assistants required. Apply by letter to Boots Pure Drug Co., Ltd., Station Street, Nottingham.

**F** RANK KIRKBY, Pharmacist, Sutton-on-Sea, Lincs., requires a young unqualified male Junior Assistant for the season. Will applicants please give particulars as to age, experience, salary required, and when at liberty.

**L** ADY Dispenser required; Hall Certificate; willing to assist at Counter. Apply by letter, giving full particulars of training, experience, age, and salary required to 26/819, Office of this Paper.

**P** HOTOGRAPHIC Assistant, lady or gentleman, for the season, for Developing and Printing. Apply, with samples of work, stating salary required, and references, to Alfred Bond, Ltd., Pharmacists, Newquay.

**Q** UALIFIED Senior Assistant required for high-class Pharmacy in residential district (Midlands); consideration only given to applicants who have had first-class Dispensing and Counter experience, and can offer undeniable references. 89/16, Office of this Paper.

**Q** UALIFIED Assistant required immediately; position would just suit young man recently qualified; permanent and progressive post. 89/26, Office of this Paper.

**Q** UALIFIED Manager required for a quick cash Business in an industrial district of South-West Yorkshire; really good opportunity for a smart, energetic man; regret no house to offer. 89/260, Office of this Paper.

**Q** UALIFIED, young, unmarried, immediately, for London district; indoors, but not essential. Apply personally, if possible, but if writing give full particulars and state salary required. Best, 68 Lower Clapton Road, N.E.

**Q** UALIFIED Assistant for the season; usual particulars. Flower, Chemist, South Cliff, Scarborough.

**U** NQUALIFIED Assistant required immediately; please state age, experience, salary required, and when at liberty. 89/261, Office of this Paper.

**U** NQUALIFIED Assistant (young) at once; must be a good Counterman and Window Dresser. Apply on Monday to Manager, T. Kempston, 369 Oxford Street, W.1.

**U** NQUALIFIED man as Temporary Assistant, 4 weeks, probably longer, for new business; must be well up in N.H.A. Dispensing, Store prices, Photographic goods. Write, stating age, height, salary required and references, to "Chemist," 645 Fulham Road, S.W.6.

**W** ANTED, unqualified Junior for summer season only; good knowledge Photography essential. Enclose references and photo, state salary required. Also Assistant for Dark Room work. Apply Reed, Chemist, Ilfracombe.

**W** ANTED, an experienced qualified Manager for brisk suburban Store business; must be of gentlemanly appearance, under 40; send no photo or references in first letter; applications will be treated in confidence; berth worth over £400 yearly to commence. 25/813, Office of this Paper.

**W** ANTED, qualified Assistant, middle age, for a permanency; state experience and salary required. Apply by letter or telephone only, Battersea 327, or "A," 9 Geraldine Road, S.W.18.

**W** ANTED, qualified Assistant to manage and develop branch business; salary 50s. weekly certain and commission; lodging free. Particulars to 39/24, Office of this Paper.

**W** ANTED, immediately, thoroughly reliable Assistant; qualification not essential; good Window Dresser, Counterman; knowledge Photography necessary; full particulars, with photo first letter. Stovin, Chemist, Eastbourne.



**WANTED**, a smart, experienced Junior Assistant for the season; principally Counter trade and Dispensing, with knowledge of Photography; permanency for an active worker (immediate). 92/31, Office of this Paper.

**WANTED**, reliable Assistant for Counter and Dispensing; one accustomed to West-End trade preferred. Apply to 164 Piccadilly, London, W.1.

**YOUNG** single qualified Assistant to manage a middle-class business recently opened. Must have ideas to develop same; produce undeniable references. Full particulars to C. Bellamy, 118 High Street, Oxford.

**YOUNG PHARMACIST'S OPPORTUNITY**.—Wanted, a well-reared, well-educated young Pharmacist, qualified or unqualified, with business ideas, salesmaking capabilities, and sound Pharmaceutical training. Application in own handwriting, with photograph if possible, in confidence. Managing Director, Philip Harris & Co., 144 Edmund Street, Birmingham.

### WHOLESALE.

**LONDON** Toilet Preparations Manufacturers require Sales Manager or experienced Salesman, to take charge of sales; one seeking to improve his position in life; must have sound longstanding connection; unique offer for capable man. Send all particulars to 88/14, Office of this Paper.

**LONDON** Wholesale House require services of a young, capable Assistant on the clerical side; applicant must possess practical knowledge of export trade. Please state age, salary required, and experience; original references must not be sent. Reply, 89/28, Office of this Paper.

**MIDLANDS** and North of England.—Salesman wanted for Toilet Goods and Perfumery, with live connection; good appearance and address essential. Write, giving full particulars and salary required, to 26/828, Office of this Paper.

**A SALESMAN** required who knows the Chemists so intimately in the London Metropolitan Area south of the Thames that he would be able to place a series of well-advertised Toilet specialties and other goods with the greater percentage. A good man with energy will find the scope offered worthy of the best efforts, and well remunerated; salary, commission and expenses basis. Apply, stating age, details of record (in confidence), to "Z. Y. X.," 26/826, Office of this Paper.

**DRUG** and Drysaltry.—Wanted, at once, smart Wrapper for Dry Counter; must be thoroughly used to job. State age and wages required. Charles C. Williams, Ltd., 64, 66, 68 Summer Row, Birmingham.

**LEADING** Firm of Sales Organisers, having full knowledge of advertising and selling chemists' products, with representatives in all parts of the United Kingdom, are open to accept one other live Agency having possibilities for big business. Appointment with principals only at any time. This is an opportunity for any house with one or two good products who desire efficient service at minimum costs. Apply, giving full details in confidence to "Service," 26/823, Office of this Paper.

**PART-TIME** Representatives, with connections in the following territories: Lancashire, Yorkshire, Midlands, North and South Wales, required by Druggists' Sundries House; part expenses and commission. 89/32, Office of this Paper.

**PROGRESSIVE** Firm requires Traveller for the whole of Lancashire; must have connection amongst Grocers and Chemists; salary, expenses and commission, or would entertain on commission basis only gentleman carrying other lines. Dols & Co., Ltd., Huddersfield.

**PROPRIETARY** Firm desires Representative calling on Chemists throughout Lancashire carrying one or two other lines. State whether the above territory is worked by car, also mention all commissions at present held. 86/7, Office of this Paper.

**REORGANISATION** of ground.—Old-established Firm manufacturing Medicated and British Pharmacopoeia Lozenges, Pastilles, Jubes, Wafers, Pellets, Floral and Silver Cachous, etc., etc., are open to appoint first-class Representatives in England, Wales, Scotland, and Northern Ireland; good commission. Particulars, etc., to 26/821, Office of this Paper.

**REPRESENTATIVES** calling on Trade required to handle popular side line; good commission; quick seller. Electric Appliances Co., Ltd., 8 Fisher Street, Southampton Row, W.C.

**REPRESENTATIVES** wanted; one London suburbs, one for South and East of England, to develop established connection in Soap and Brushware; must be gentlemanly and well-known on their ground. Write in confidence, stating experience, salary required, to "R. E. P.," 26/817, Office of this Paper.

**REPRESENTATIVES** required by leading firm for well-known lines, South of England, South Wales and West of England, also London and surrounds. Preference given to men knowing the Chemist trade and who are already calling upon chemists in the area. Salesmen only need apply. Advertisers have no use for "order collectors." Apply, giving details of past three years' experience, whether willing to prove ability on a part expenses and commission basis. "Opportunity," 26/824, Office of this Paper.

**REQUIRED**, Representatives for London suburbs and provinces, for high-class Perfumery and Toilet Specialties well advertised. Apply first instance by letter, giving full particulars, to 26/816, Office of this Paper.

**WANTED**, a real live man who can command trade, to handle, on generous commission terms, an unique 72d. selling line. Light samples, dainty and forceful showcards. If desired, Buying Agency terms arranged. Replies to "Unique," 26/822, Office of this Paper.

**WANTED**, young Laboratory Worker, aged about 19, with experience in manufacture of Toilet Preparation; good opportunity for an intelligent and willing worker. Full particulars of previous experience and state age and required in first letter. 88/15, Office of this Paper.

**WANTED**, gentleman with high-class London Chemist connection, to take up side-line Toilet requisite on good commission basis. Apply, giving full particulars, P.C.B., Office of this Paper.

### [COLONIAL, INDIAN AND FOREIGN.]

**SOUTH AFRICA**.—Qualified Assistant, gentleman, about 22 years of age, required; three years' contract; passage board-residence, including laundry, found; salary, first year 1200, increasing yearly; good prospects for right man. With full particulars, "E. H.," 25/790, Office of this Paper.

### SITUATIONS WANTED.

#### RETAIL

#### [HOME.]

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to the Office, and forwarded on payment of an additional charge.

**A.A.A.**—MANAGER; reliable Pharmacist (44); good business man; good appearance; references; experienced; trustworthy. Write offer, "P.," 92/29, Office of this Paper.

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**LOCUM**, qualified (1911), 20 years' experience, reliable, good references, disengaged until June 16, then July 16-August 18, September 3 onwards. C. E. Beer, 98 Greyhound Lane, Streatham Common, S.W.

**LOCUM**, 27; qualified; free July 2-14, August 20-25. Wilson, 109 Hanley Road, Finsbury Park, London, N.4.

**LOCUM**; unqualified and Optician; 10 years' experience; highest references; height 6 ft.; age 26; disengaged until June 24 and from July 23. Write 91/24, Office of this Paper.

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**MINOR Student**, knowledge of Photography, speaks three languages fluently, taking Qualifying Examination, desires a post in good Pharmacy. R. Mattar, 8 Gertrude Street, Chelsea.

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**ASSISTANT Manager or Secretary**, 34, B.A.; married; training in Engineering and Chemistry; 3 years' experience Government Training Department; expert training and experience with paper-making firm as Chemist and Manager; good organiser and disciplinarian; excellent references and testimonials. M.L. 1606/23, Office of this Paper.

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**CHEMIST & DRUGGIST**, March 10, 1900. P.C. with P.C.B. 39/6, Office of this Paper.

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